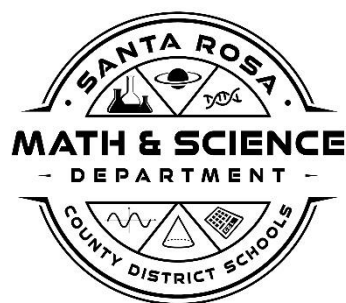


Santa Rosa County District Schools

GRADE 8 MATH

FSA Practice Student Version
with Blank Answer Sheet



Department of Math & Science

Grade 8 Mathematics

[Turnkey Educator Resources](#)

[Equation Editor Item Tutorial](#)

[FSA Scientific Calculator](#)

[FSA Mathematics Reference Sheet Packet](#)

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FSA Grade 8 Practice (NONCALCULATOR)

	MAFS.8.EE.1.1
1	Select all of the expressions that are equivalent to $(2^2)^4 \div 2^2$. ☐ A 2^{10} ☐ B 2^4 ☐ C $(2^2)^3$ ☐ D $\frac{2^6}{2^2}$ ☐ E 2^6
	MAFS.8.EE.1.1
2	An equation is shown. $(5^a)^b = 5^{-8}$ Select all of the possible values for a and b. ☐ A $a = -6, b = -2$ ☐ B $a = -1, b = 8$ ☐ C $a = -6, b = 2$ ☐ D $a = -4, b = -4$ ☐ E $a = -2, b = 4$

	MAFS.8.EE.1.2
3	What is the value of x in the equation shown? $x^3 = 125$ $x =$ _____
	MAFS.8.EE.1.2
4	Which number has an irrational square root? Ⓐ $\frac{1}{9}$ Ⓑ 4 Ⓒ 0.01 Ⓓ 2
	MAFS.8.EE.1.3
5	The number 0.0000657 can be estimated by 7 times a power of 10. What is the power of 10? _____

	MAFS.8.EE.1.3
6	The Pacific Ocean contains about 170,000,000 mi³ of water. The Atlantic Ocean contains about 78,000,000 mi³ of water. Which expression can you use to estimate how many times more water is in the Pacific Ocean than the Atlantic Ocean? (A) $\frac{8 \times 10^7}{2 \times 10^8}$ (B) $\frac{2 \times 10^9}{8 \times 10^8}$ (C) $\frac{8 \times 10^8}{2 \times 10^9}$ (D) $\frac{2 \times 10^8}{8 \times 10^7}$
	MAFS.8.EE.1.4
7	What is the sum of 5.42×10^5 and 7.62×10^5 written in standard form? _____
	MAFS.8.EE.1.4
8	A beehive can contain 1.5×10^4 bees. How many bees can 80 beehives contain? Express your answer in exponent form. _____ bees

MAFS.8.EE.3.8b**9**

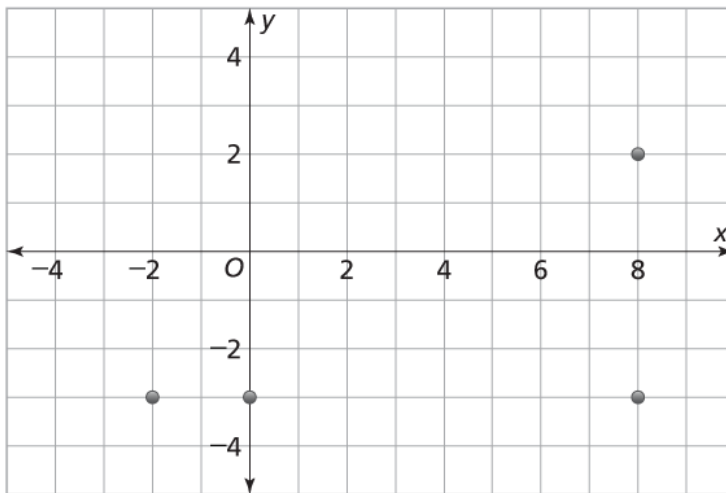
Solve the system of equations.

$$6x - 4y = 15$$

$$4x - 8y = 2$$

MAFS.8.F.1.1**10**

Choose the description of the graph shown.



- (A) The graph represents a function because each input has exactly one output.
- (B) The graph does not represent a function because not every input has an output.
- (C) The graph does not represent a function because two inputs, $x = -2$ and $x = 0$, have the same output $y = -3$.
- (D) The graph does not represent a function because the input $x = 8$ has two outputs, $y = -3$ and $y = 2$.

MAFS.8.F.1.1**11**

Select all of the sets of ordered pairs that represent a function.

- ☐ (A) $(2,6), (-7,-4), (10,3), (0,3)$
- ☐ (B) $(6,7), (-7,8), (-3,8), (3,-5)$
- ☐ (C) $(-2,-6), (-6,-10), (-6,7), (3,2)$
- ☐ (D) $(-9,-1), (3,-5), (-9,1), (5,9)$
- ☐ (E) $(-8,-6), (-5,5), (4,7), (4,-7)$

MAFS.8.F.2.4**12**

A musician has a linear pricing plan. The total cost, y , of hiring the musician for x hours is shown.

Hourly Rates	
Hours (x)	Cost (y)
1	85
2	150
3	215
4	280
5	345

Part A. What is the hourly rate for the pricing plan?

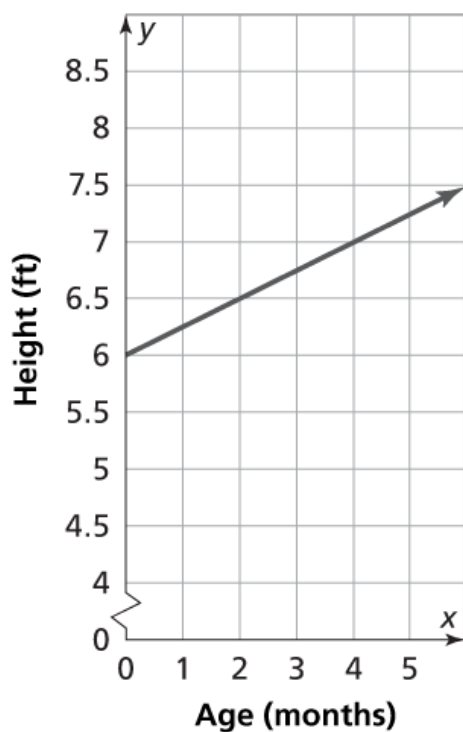
\$ _____

Part B. Complete the equation that represents the pricing plan.

$y =$ _____ $x +$ _____

13

The graph shows the height y of a giraffe at age x months.

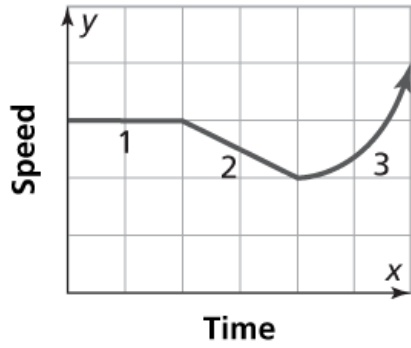


Select all of the true statements.

- (A) The equation $y = 6x + 0.25$ represents the giraffe's height over time.
- (B) The rate of change is 0.25 ft per month. This means that at 2 months, the giraffe is 0.5 ft tall.
- (C) The initial value is 6 ft. This means that the giraffe was 6 ft tall when he was born.
- (D) When he is 3 years old, the giraffe will be 15 ft tall.
- (E) When he is 3 years old, the giraffe will be 6.75 ft tall.

MAFS.8.F.2.5

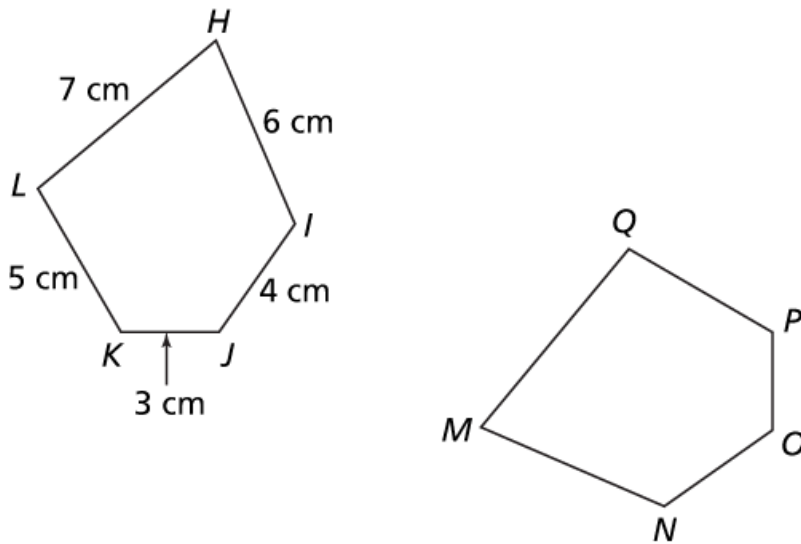
- 14** The graph shows the speed of a car as time increases. Select the correct description of the car's speed for each interval.



	Decreasing	Constant	Nonlinear
Interval 1	(A)	(B)	(C)
Interval 2	(D)	(E)	(F)
Interval 3	(G)	(H)	(I)

MAFS.8.G.1.1a

- 15** Pentagon $HJKLM$ is rotated about vertex K and reflected over a vertical line to produce pentagon $MNOPQ$.

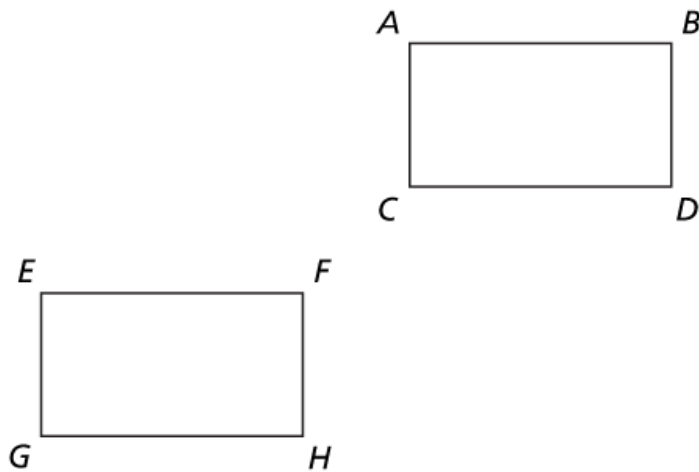


Match each side with its length.

	7 cm	4 cm	6 cm	3 cm	5 cm
MN	(A)	(B)	(C)	(D)	(E)
NO	(F)	(G)	(H)	(I)	(J)
OP	(K)	(L)	(M)	(N)	(O)
PQ	(P)	(Q)	(R)	(S)	(T)
MQ	(U)	(V)	(W)	(X)	(Y)

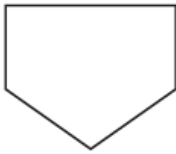
16

Rectangle $ABCD$ and its transformation $EFGH$ are shown.



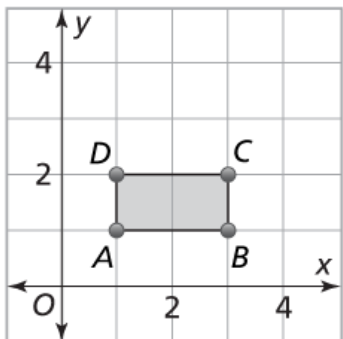
Select all of the transformations of rectangle $ABCD$ that can produce rectangle $EFGH$.

- ☐ A reflection over a vertical line and a translation.
- ☐ A rotation about point D .
- ☐ A rotation about a point between the two rectangles.
- ☐ A reflection over a horizontal line.
- ☐ A vertical and horizontal translation.

	MAFS.8.G.1.2
17	A sequence of transformations maps Figure 1 onto Figure 2. Figure 2  Figure 1  Which sequence could have been used? Ⓐ A 90-degree rotation clockwise, then a translation up and left. Ⓑ A reflection over a horizontal line, then a translation left. Ⓒ A reflection across a vertical line, then a translation up. Ⓓ A translation left and up.
	MAFS.8.G.1.2
18	Select all of the sequences of transformations that always maintain congruence. Ⓐ A translation and then a rotation. Ⓑ A rotation and then a translation. Ⓒ A translation and then a reflection. Ⓓ A rotation and then a reflection. Ⓔ A reflection and then a translation. Ⓕ A reflection and then a rotation.

MAFS.8.G.1.3

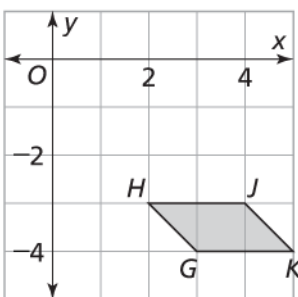
- 19** Quadrilateral $ABCD$ is dilated with a center of $(0,0)$ and a scale factor of 4. It is then translated 2 units to the left. The resulting figure is $A'B'C'D'$. Match each point with its coordinates.



	(14,4)	(10,4)	(10,8)	(2,8)	(4,4)	(2,4)
A'	(A)	(B)	(C)	(D)	(E)	(F)
B'	(G)	(H)	(I)	(J)	(K)	(L)
C'	(M)	(N)	(O)	(P)	(Q)	(R)
D'	(S)	(T)	(U)	(V)	(W)	(X)

MAFS.G.8.1.3

- 20** Figure $GHJK$ is rotated 180° about $(0,0)$ and then translated 2 units up. What are the coordinates K' ?



- (A) $(4, 7)$
- (B) $(-5, 6)$
- (C) $(-5, 2)$
- (D) $(-4, -3)$

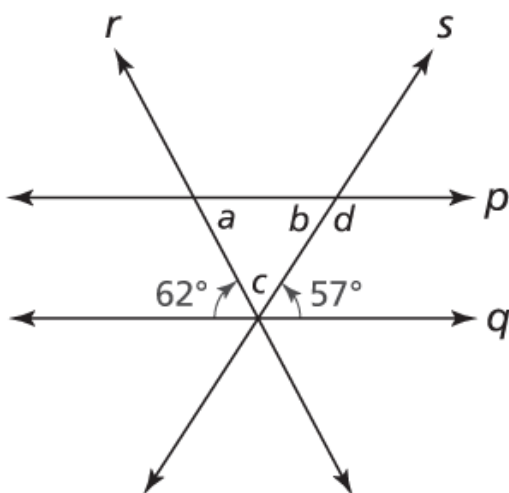
MAFS.8.G.1.3

21 A quadrilateral is reflected over the y -axis. Which of the following statements about the coordinates of the image are true?

- Ⓐ Both the x -values and y -values change.
- Ⓑ Both the x -values and y -values change.
- Ⓒ Only the y -values change.
- Ⓓ Only the x -values change.

MFAS.8.G.1.5

22 In the figure, p and q are parallel lines. What are the values of a , b , c , and d ?

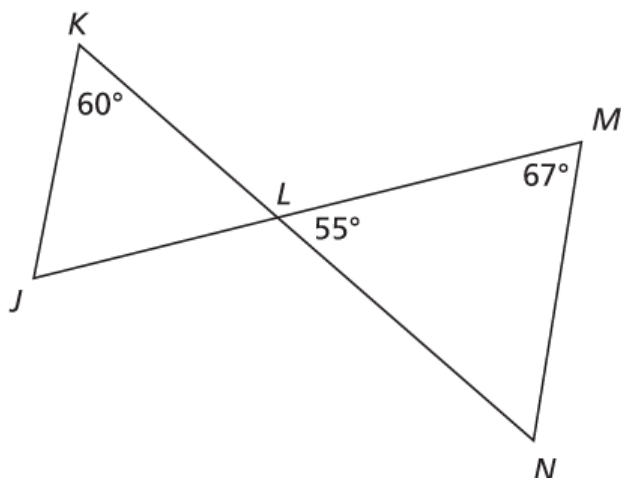


	123°	57°	61°	62°
<i>a</i>	Ⓐ	Ⓑ	Ⓒ	Ⓓ
<i>b</i>	Ⓔ	Ⓕ	Ⓖ	Ⓗ
<i>c</i>	Ⓘ	Ⓙ	Ⓚ	Ⓛ
<i>d</i>	Ⓜ	Ⓝ	Ⓞ	Ⓟ

MFAS.8.G.1.5

23

Select all of the statements that are true about $\triangle JKL$ and $\triangle LMN$.



- ☐ (A) They have only one pair of congruent angles.
- ☐ (B) The triangles are similar.
- ☐ (C) $m\angle JKL = m\angle LNM$
- ☐ (D) $m\angle KJL = 65^\circ$
- ☐ (E) $m\angle LNM = 58^\circ$

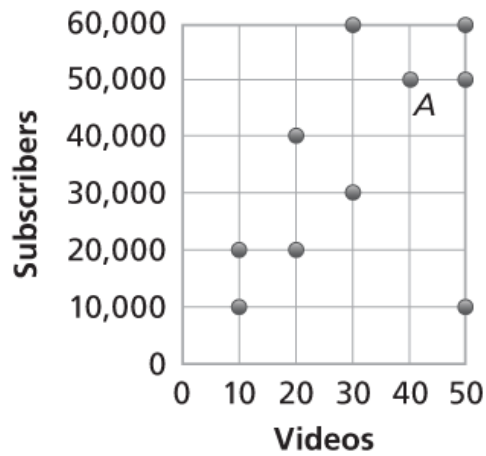
MFAS.8.G.2.8

24

Krystal lives 12 miles south of the school. Howard lives 5 miles east of the school. How far does Howard walk if he takes the shortest path to Krystal's house?

_____ mi

- 25 The scatter plot shows the number of subscribers a sewing video channel has in relation to the number of videos created.

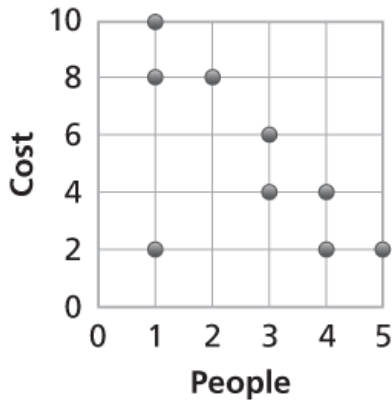


How can this association be described?

- Ⓐ The association is positive, non-linear, and has an outlier.
- Ⓑ The association is positive, linear, and has an outlier.
- Ⓒ The association is positive, linear, and without outliers.
- Ⓓ The association is negative, linear, and has an outlier.

MFAS.8.SP.1.1

- 26** A chef is calculating if it is cheaper (per person) to cook for more people at once. The scatter plot shows cost per person to cook a meal in relation to the number of people being served that meal.

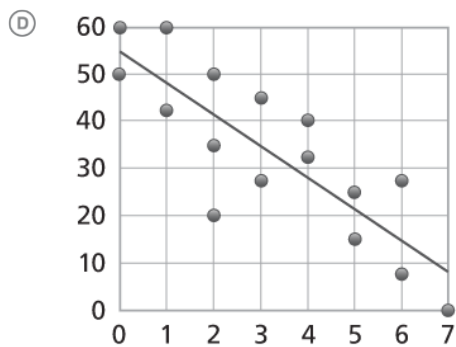
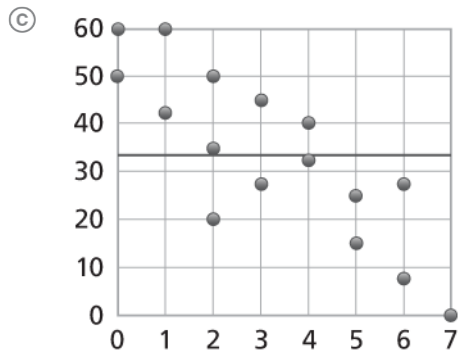
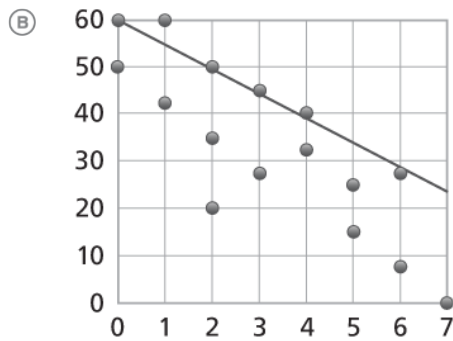
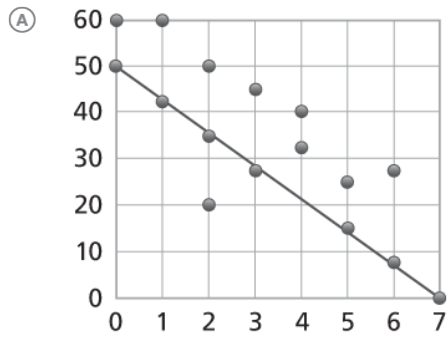


Select the correct description for the general trend of the plot.

- ☐ Ⓐ As the number of people increases, the cost per meal increases.
- ☐ Ⓑ As the number of people decreases, the cost per meal decreases.
- ☐ Ⓒ As the number of people increases, the cost per meal stays the same.
- ☐ Ⓓ As the number of people increases, the cost per meal decreases.

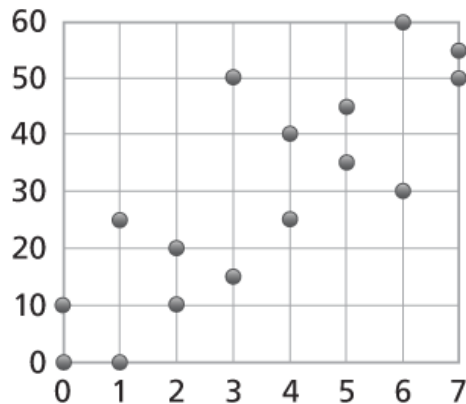
27

Which graph represents the line of best fit for the scatter plot?



MFAS.8.SP.1.2

28 Can you use a trend line to describe the relationship between the two sets of data for this graph? Explain.



- ☐ A Yes, because there is a negative linear association, although it is weak.
- ☐ B No, because no line could be drawn that passes through all of the points on the scatter plot.
- ☐ C No, because there is no linear association.
- ☐ D Yes, because there is a positive linear association, although it is weak.

MFAS.8.SP.1.3

29 The data in the table show the sale price of homes with different numbers of bedrooms.

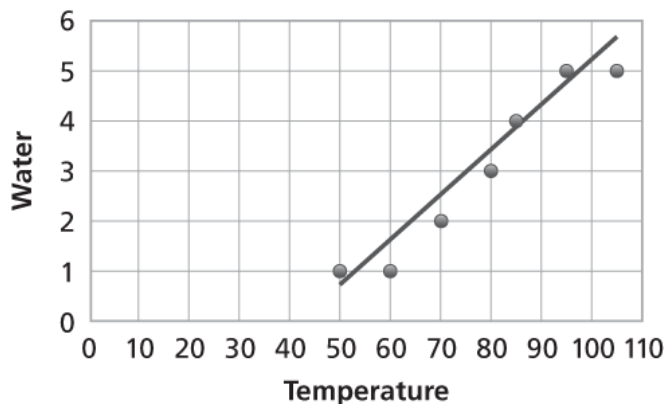
x	y
5	150,000
5	130,000
3	120,000
6	210,000

The equation of the trend line is $y = 25,789x + 30,000$. What does the slope represent in this situation?

- (A) The predicted sale price of a house with 0 bedrooms is \$25,789.
- (B) The predicted sale price of a house with no bedrooms is \$30,000.
- (C) For each additional bedroom a house has, the sale price is predicted to increase by \$25,789.
- (D) For each additional bedroom a house has, the sale price is predicted to increase by \$30,000.

MFAS.8.SP.1.3

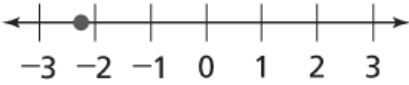
30 The scatter plot shows how much water 7 people drink (in glasses) given different temperatures (in degrees Fahrenheit). The equation of the trend line $y = 0.09x - 3.77$.



If a person drank 3 glasses of water, what was the temperature? Round your answer to the nearest tenth, if needed.

_____ °F

	MFAS.8.NS.1.1
31	Which number represents $1.\overline{18}$ written as a fraction? (A) $\frac{59}{50}$ (B) $\frac{107}{90}$ (C) $\frac{118}{100}$ (D) $\frac{13}{11}$
	MFAS.8.NS.1.1
32	Select all numbers that are rational. (A) $9.\overline{812}$ (B) 4π (C) $\sqrt{11}$ (D) 7.4 (E) $-\frac{748}{3}$

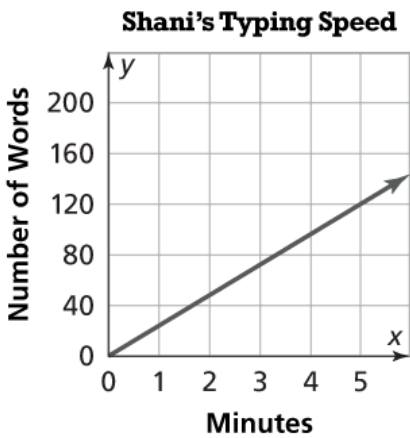
	MFAS.8.NS.1.2
33	In which list are the numbers in order from least to greatest? (A) $\frac{5}{6}, \sqrt{5}, 4.57, \pi^2$ (B) $\frac{5}{6}, 4.57, \sqrt{5}, \pi^2$ (C) $\sqrt{5}, \frac{5}{6}, 4.57, \pi^2$ (D) $\pi^2, 4.57, \sqrt{5}, \frac{5}{6}$
	MFAS.8.NS.1.2
34	Which value is closest to the point shown on the number line?  (A) $-\pi$ (B) $-\sqrt{5}$ (C) $-\sqrt{10}$ (D) -2

FSA Grade 8 Practice (CALCULATOR)

MAFS.8.EE.2.5

1 Lehana and Shani are having a competition to see who can type a 1,000-word essay faster. The results are shown.

Lehana's Typing Speed				
Minutes	3	6	9	12
Words	90	180	270	360



Select all of the true statements.

- A Lehana will finish typing in approximately 11 minutes and 7 seconds.
- B Lehana's unit rate is 90 words per minute.
- C A graph of Lehana's words per minute would have a greater slope.
- D Shani will finish typing in 41 minutes and 40 seconds.
- E Lehana will finish typing first.

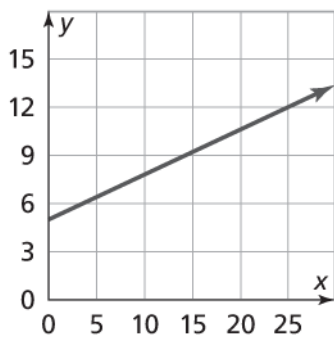
2

This question has **two** parts.

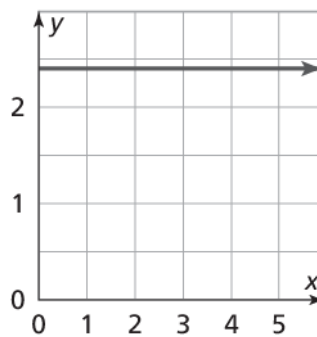
Water is poured into a large bucket at a rate of 2.4 gallons in 5 minutes.

Part A. Which graph models the situation?

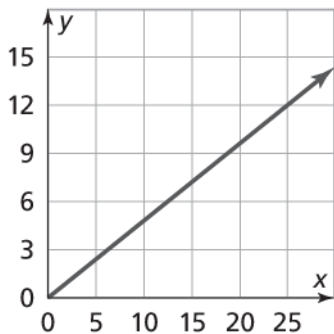
(A)



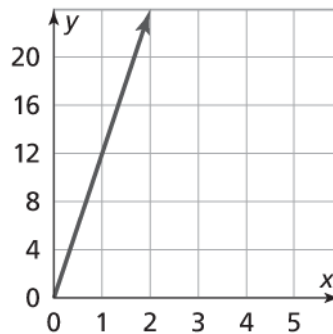
(C)



(B)



(D)



Part B. At what rate is the bucket filling with water? Enter your answer as a decimal number.

_____ gallons per minute

MAFS.8.EE.2.5

- 3 Juan and Carmelita are making paper airplanes for a school project. The number of paper airplanes that Juan makes in x hours can be modeled by the equation $y = 6x$.

The number of paper airplanes Carmelita makes is shown in the table.

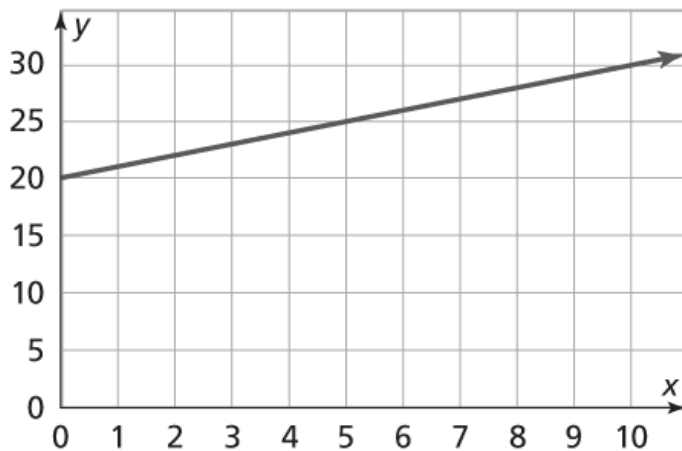
Paper Airplanes Made			
Hours	0.25	0.5	0.75
Number of Planes	2	4	6

How many more paper airplanes does the faster person make per hour?

_____ more planes per hour

MAFS.8.EE.2.6

- 4 Write an equation that represents the same relationship as the graph shown. Enter your answers as decimals.



$y =$ _____ $x +$ _____

	MAFS.8.EE.2.6 										
5	A plant requires 4 cups of water when it is first brought inside and then 2 cups of water each week for the rest of its life. Write a linear equation for the number of cups of water used after x months. $y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$										
	MAFS.8.EE.2.6 										
6	What is the equation of the line representing the proportional relationship in the table? Enter your answers as decimals. <table border="1" data-bbox="251 640 479 934"> <thead> <tr> <th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>2</td><td>1</td></tr> <tr> <td>8</td><td>4</td></tr> <tr> <td>14</td><td>7</td></tr> <tr> <td>20</td><td>10</td></tr> </tbody> </table> $y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$	x	y	2	1	8	4	14	7	20	10
x	y										
2	1										
8	4										
14	7										
20	10										
	MAFS.8.EE.3.7a 										
7	Select all equations that have exactly one solution. Ⓐ $2x - 4 = x + 1 + x$ Ⓑ $6x - 2x = 4x$ Ⓒ $5x - 2 = 2x + 6 - x$ Ⓓ $2x + 6 = x$ Ⓔ $4x - x = 9$										

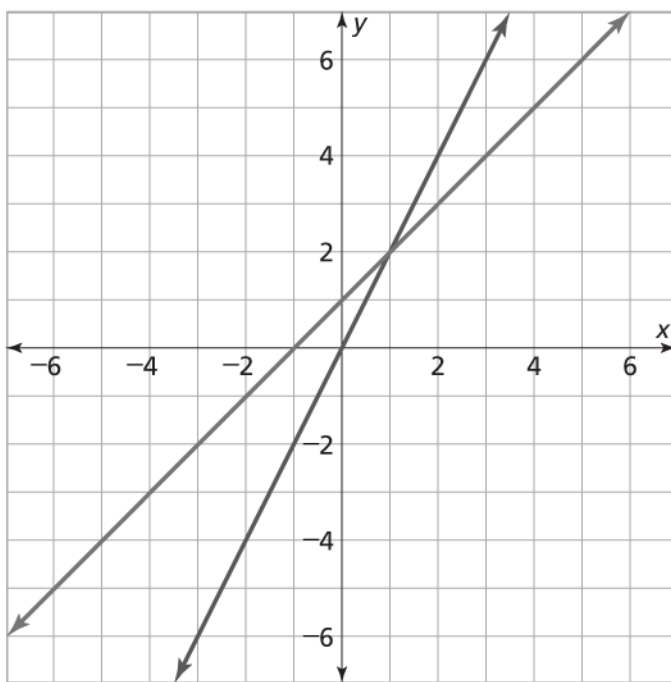
MAFS.8.EE.3.7b **8**Solve the equation shown for x .

$$4x + 8 + \frac{1}{2}(2x - 4) = 6x + 6 - 4x$$

- (A) No solution
- (B) $x = \frac{2}{3}$
- (C) $x = 0$
- (D) $x = -3$

MAFS.8.EE.3.8a**9**

A graph of a system of two equations is shown.



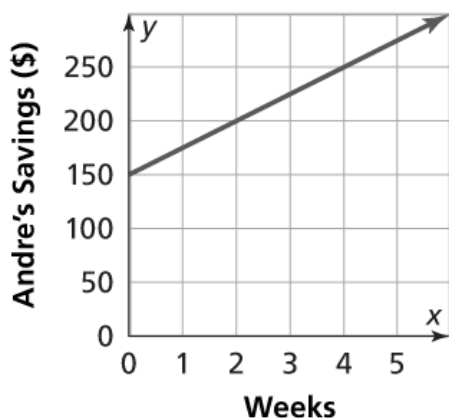
What is the solution of the system?

	MAFS.8.EE.3.8b  10 Select all of the systems of equations that do <i>not</i> have exactly one solution. Ⓐ $-4x + 6y = -10$ $5x - 6y = 11$ Ⓑ $3x + 8y = 0$ $3x + 8y = 14$ Ⓒ $y = 2x + 1$ $y = 2x - 1$ Ⓓ $2y + 2 = 4x$ $y = 2x - 1$ Ⓔ $y = -2x + 2$ $y = 2x + 3$
	MAFS.8.EE.3.8c  11 At Katya's fruit stand, a basket of strawberries costs \$4 and a basket of raspberries costs \$9. In one morning, Katya sells 96 baskets for \$644. How many baskets of strawberries were sold? _____ baskets

MAFS.8.F.1.2

12

The savings accounts of two people can be modeled by linear functions. Zahava has \$200 and saves \$20 per week. Andre's savings are shown in the graph. Select the true statement.



- (A) Zahava has less money initially. The rate of change of her account is less than that of Andre's.
- (B) Zahava has less money initially. She saves more per week than Andre.
- (C) Zahava has a greater initial amount saved. She saves less per week than Andre.
- (D) Zahava has a greater initial amount. The rate of change of her account is greater than that of Andre's.

MAFS.8.F.1.2

13

Select the statement that accurately compares the two linear functions.

Function 1

x	1	2	3	4
y	5	8	11	14

Function 2

$$y = \frac{5}{3}x + 3$$

- (A) Function 2 has the greatest rate of change and the greatest initial value.
- (B) Function 2 has the greatest rate of change and Function 1 has the greatest initial value.
- (C) Function 1 has the greatest rate of change and the greatest initial value.
- (D) Function 1 has the greatest rate of change, and Function 2 has the greatest initial value.

14

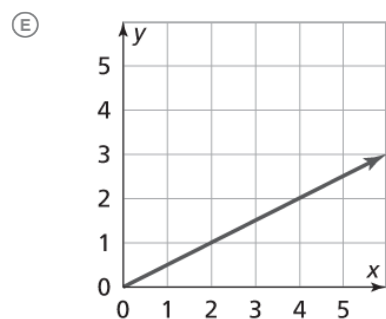
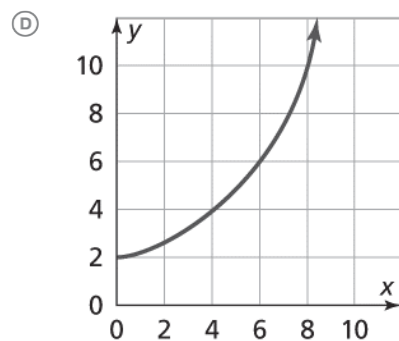
Select all of the functions that are linear.

(A) $5x + 3y = 9$

(B)

x	0	1	2	3	4
y	0	1	8	27	64

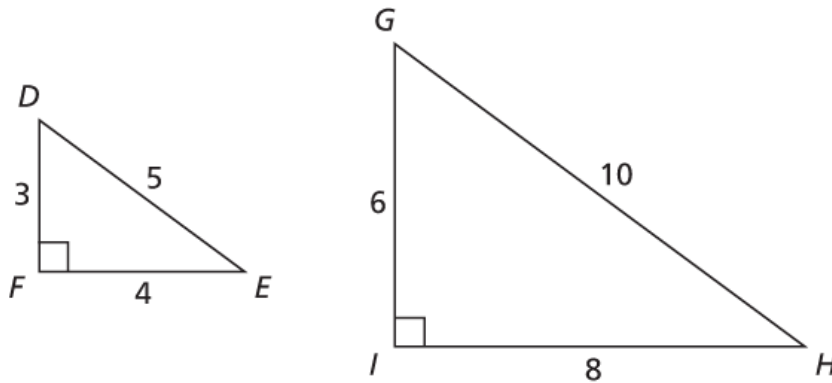
(C) $y = (9 + 4)x + 4$



	MAFS.8.F.1.3 
15	Laila runs 3 mi the first week. The next week, she runs 6 mi. Every week after, she runs 3 mi more than the week before. Select all of the true statements. ☐ Ⓐ This is a nonlinear relationship because it cannot be written as an equation of the form $y = mx + b$. ☐ Ⓑ This is a nonlinear relationship. If the number of miles Laila ran per week was graphed, it would be a curve. ☐ Ⓒ This relationship contains the point (3,6). ☐ Ⓓ This relationship can be modeled as a linear function and can be expressed as $y = 3x$, where x is the number of weeks and y is the number of miles Laila runs. ☐ Ⓔ This is a linear relationship because if the number of miles Laila ran each week was graphed, it is a straight line.
	MFAS.G.8.1.4 
16	Which sequence of transformations results in figures that are similar but not congruent? ☐ Ⓐ 270° rotation, reflection across the x-axis. ☐ Ⓑ Translation 3 units up, 180° rotation. ☐ Ⓒ Reflection across the line $y = 2$, translation 2 units left. ☐ Ⓓ Translation 3 units up, dilation with a factor of 3.

MFAS.8.G.1.4

17 Is $\triangle DEF$ similar to $\triangle GHI$? Explain.



- ☐ (A) Yes, because $\triangle GHI$ can be obtained by dilating $\triangle DEF$ by a scale factor of $\frac{1}{2}$ and then translating to the right.
- ☐ (B) No, because $\triangle GHI$ cannot be obtained from $\triangle DEF$ through a sequence of rotations, translations, reflections, and dilations.
- ☐ (C) Yes, because $\triangle GHI$ can be obtained by dilating $\triangle DEF$ by a scale factor of 2 and then translating to the right.
- ☐ (D) No. The triangles are not the same size, so they are not similar.

MFAS.8.G.2.6

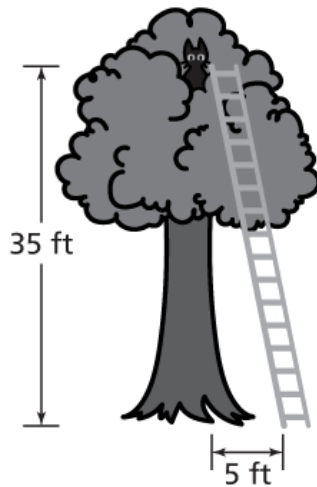
18 Which set of side lengths forms a right triangle?

- ☐ (A) 5 in., 12 in., 11 in.
- ☐ (B) 2 cm; 4 cm; 5 cm
- ☐ (C) 6 m; 8 m; 5 m
- ☐ (D) 9 ft; 12 ft; 15 ft

	MFAS.8.G.2.6  19 A right triangle has a hypotenuse of length 25 inches and a leg of length 15 inches. What is the length of the remaining side? _____ in.
	MFAS.8.G.2.7  20 The size of a television screen is usually described by the length of its diagonal. If a 32" television has a width of 28 inches, what is the height of the screen? Round your answer to the nearest tenth of an inch. _____ inches

MFAS.8.G.2.7

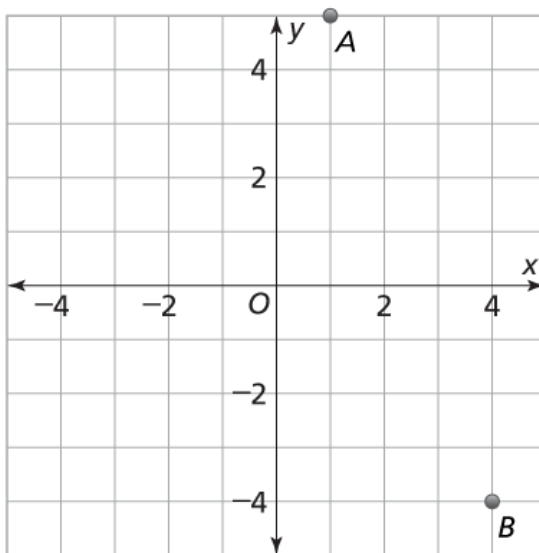
- 21** A man wants to rescue a cat that is stuck on a branch 35 feet up in a maple tree. The man leans his ladder so that the bottom is 5 feet away from the base of the tree trunk. How long does the ladder need to be for the man to reach the cat? Round to the nearest tenth.



_____ ft

MFAS.8.G.2.8

- 22** What is the distance between points A and B on the coordinate plane shown? Round your answer to the nearest tenth of a unit.



_____ units

	MFAS.8.G.3.9  23 A three-dimensional figure has a volume of 314 cubic centimeters rounded to the nearest cubic centimeter. Select all of the figures that match this description. Use 3.14 for π. ☐ A cone with a radius of 10 cm and a height of 3 cm. ☐ A cylinder with a radius of 1 cm and a height of 10 cm. ☐ A sphere with a diameter of 4.217 cm. ☐ A sphere with a radius of 4.217 cm. ☐ A cylinder with a radius of 4.47 cm and a height of 5 cm.
	MFSA.8.G.3.9  24 If you inflate a beach ball with 14,130 cubic inches of air, what will its diameter be? Use 3.14 for π. _____ inches

25

Naomi polled 50 students at school on their favorite animal.

	Cats	Dogs	Total
Fourth-Grade Students	8	16	
Fifth-Grade Students	12	14	
Total			

For each value described, select the correct percentage (rounded to the nearest percent).

	47%	33%	20%	40%	54%	52%
Percentage of fourth-grade students that preferred cats.	(A)	(B)	(C)	(D)	(E)	(F)
Percentage of students that were fifth-grade students.	(G)	(H)	(I)	(J)	(K)	(L)
Percentage of fifth-grade students that preferred dogs.	(M)	(N)	(O)	(P)	(Q)	(R)
Percentage of students that preferred cats.	(S)	(T)	(U)	(V)	(W)	(X)

26

An amusement park surveys 260 customers to help them decide whether to add a rollercoaster or bumper cars to the park.

	Like Bumper Cars	Do Not Like Bumper Cars	Total
Like Rollercoasters	123	45	168
Do Not Like Rollercoasters	60	32	92
Total	183	77	260

What is the best decision based on the relative frequencies in the table? Round all numbers to the nearest percent.

- Ⓐ The amusement park should add a rollercoaster, because 65% of the customers surveyed like rollercoasters and 35% like bumper cars.
- Ⓑ The amusement park should add bumper cars, because 23% of the customers surveyed like bumper cars and 17% of customers like roller coasters.
- Ⓒ The amusement park should add bumper cars, because 70% of the customers surveyed like bumper cars and 30% like rollercoasters.
- Ⓓ The amusement park should add bumper cars, because 70% of the customers surveyed like bumper cars and 65% like rollercoasters.

FSA Grade 8 Practice (NONCALCULATOR) Answer Sheet

Student Name: _____ Date: _____ Period: _____

Problem	Answer
1	(A) (B) (C) (D) (E)
2	(A) (B) (C) (D) (E)
3	X= _____
4	(A) (B) (C) (D)
5	_____
6	(A) (B) (C) (D)
7	_____
8	_____ bees
9	_____
10	(A) (B) (C) (D)
11	(A) (B) (C) (D) (E)
12	Part A: \$ _____ Part B: $y =$ _____ $x +$ _____
13	(A) (B) (C) (D) (E)

23	☐ A ☐ B ☐ C ☐ D ☐ E
24	_____ mi
25	☐ A ☐ B ☐ C ☐ D
26	☐ A ☐ B ☐ C ☐ D
27	☐ A ☐ B ☐ C ☐ D
28	☐ A ☐ B ☐ C ☐ D
29	☐ A ☐ B ☐ C ☐ D
30	Write in your answer: _____ °F
31	☐ A ☐ B ☐ C ☐ D
32	☐ A ☐ B ☐ C ☐ D ☐ E
33	☐ A ☐ B ☐ C ☐ D
34	☐ A ☐ B ☐ C ☐ D

FSA Grade 8 Practice (CALCULATOR) Answer Sheet

Student Name: _____ Date: _____ Period: _____

Problem	Answer
1	(A) (B) (C) (D) (E)
2a	(A) (B) (C) (D)
2b	_____ gallons per minute
3	_____ more planes per hour
4	$y = \text{_____} x + \text{_____}$
5	$y = \text{_____} x + \text{_____}$
6	$y = \text{_____} x + \text{_____}$
7	(A) (B) (C) (D) (E)
8	(A) (B) (C) (D)
9	_____
10	(A) (B) (C) (D) (E)
11	_____ baskets
12	(A) (B) (C) (D)
13	(A) (B) (C) (D)
14	(A) (B) (C) (D) (E)
15	(A) (B) (C) (D) (E)

16	A B C D																																									
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18	A B C D																																									
19	in.																																									
20	inches																																									
21	feet																																									
22	Units																																									
23	A B C D E																																									
24	inches																																									
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