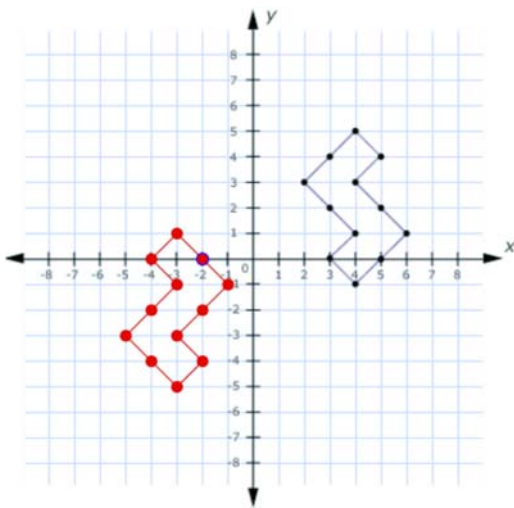


Algebra Summer Math Packet Answers

1. A right triangle with leg lengths of 6 units and 8 units and a hypotenuse of 10 units.
2. $s = 18$
3. 2 medium pizzas
Sample explanation: the area/amount of the two choices of pizza is about the same, but the large pizza costs more than 2 medium ones.
4. A. sample: $-1 + 1 = 0$
B. sample: $-1 + 2 = 1$

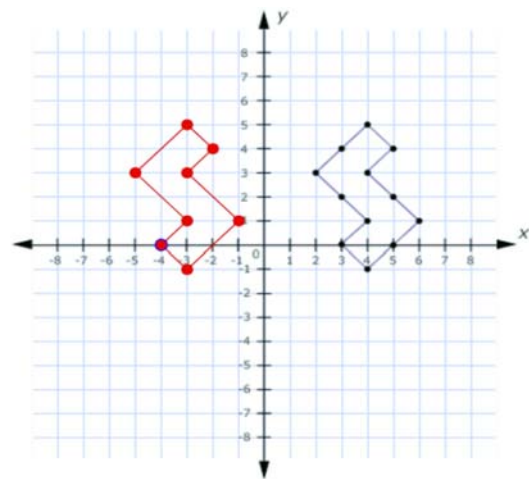
5. a.

the figure reflected across the x-axis



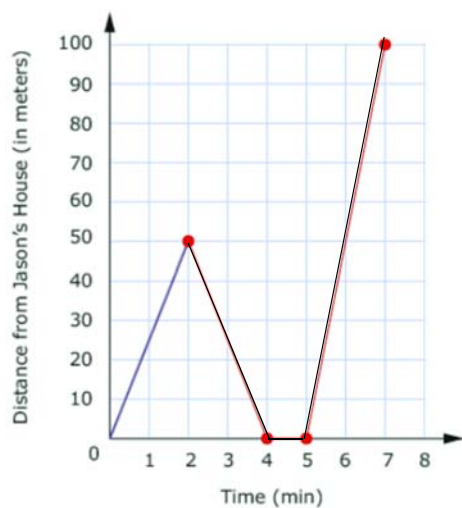
b.

the figure translated 7 units to the left

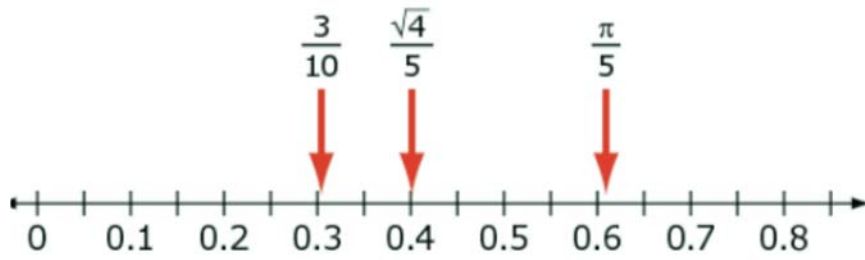


6. Justin's car at the 25-mile mark and Kim's car at the 31-mile mark

7.



8.



9. a. 2

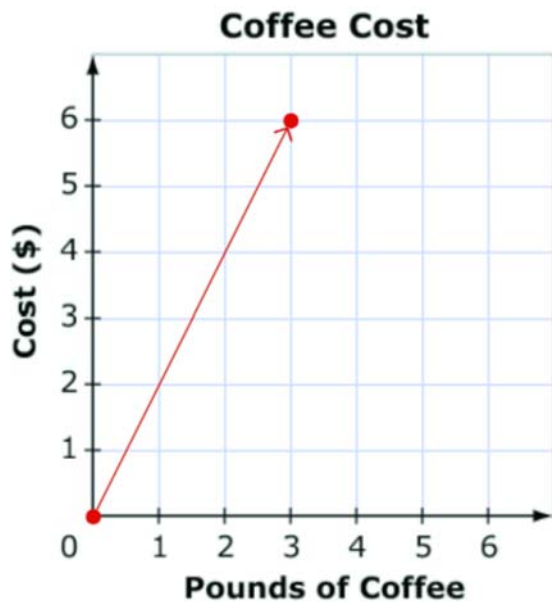
b. 4

10.

	Dog	No Dog	Total
Cat	1	2	3
No Cat	3	4	7
Total	4	6	10

11. 7

12.



Algebra Summer Math Packet Answers

13. 12 inches

14. D

15. A. $8x - 3x + 2 - x = 4x + 3$

B. $8x - 3x + 2 - x = 3x + 3$

C. $8x - 3x + 2 = 4x + 2$

16. "the bats are on sale for 10% off" and " $90\% \div 0.9 = \$100$ "

17. 2 red sections, 2 blue sections, and one green section

18. B and D

19. a. $t = -7$ b. $m = 50$ c. $r = 7.5$ d. $x = -39$ e. $g = 1.8$ f. $y = -24$

20. a. $x = 3$ b. $t = -40$ c. $x = 60$ d. $t = 11$ e. $r = -5$ f. $y = 0$

g. $12 = 12$ (infinitely many) h. $y = 1/4$