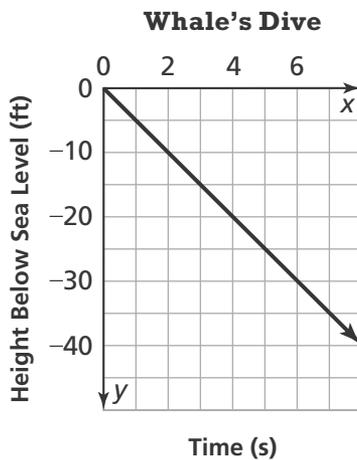


Name _____

1. Adam works at a bakery. He uses $\frac{1}{8}$ of his flour supply to make bread and $\frac{3}{4}$ of his flour supply to make other baked goods. If Adam used 21 pounds of flour, how much flour did he have in his supply?

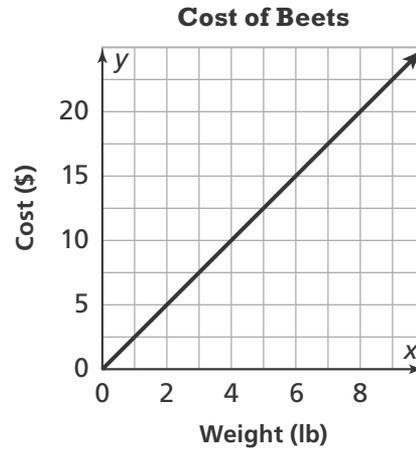
- (A) 22 pounds
- (B) 24 pounds
- (C) 34 pounds
- (D) 63 pounds

2. Select all the statements that are true for the graph shown.



- The relationship is proportional.
- The slope is 5.
- The slope is positive.
- The y-intercept is 0.
- The equation of the line is $y = -5x$.

3. The graph shows the cost of buying beets at a farm stand.



Part A

What is the slope of the line?

Part B

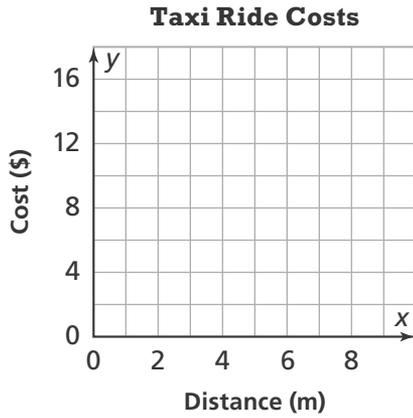
Abby says the graph shows that beets cost \$0.40 per pound. Is she correct? Explain.

4. What is the solution to the equation $-2.5(x - 4) = -3x + 4$?

- (A) $x = -28$
- (B) $x = -12$
- (C) $x = 12$
- (D) $x = 28$

5. A taxi ride costs \$4, plus an additional \$3 per mile.

Graph the line relating taxi ride costs to distance (in miles).

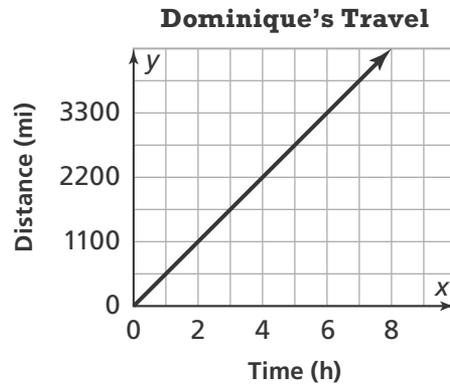


6. Match each equation to its number of solutions.

	One solution	No solution	Infinitely many solutions
$2(4x - 1) = -8x - 2$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
$2(4x - 1) = 8x - 2$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
$-2(4x - 1) = -8x - 1$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. Solve the equation $\frac{1}{2}x + \frac{3}{4}x = 5 - 2.5x$.

8. Dominique and Ella are comparing whose jet traveled faster. The graph shows the relationship between the total distance Dominique traveled and the time in hours. The distance Ella traveled after x hours can be represented by the equation $y = 550x$.



Who, if anyone, traveled at a faster speed? Explain.

9. A music shop charges a deposit of \$20, plus a monthly rate of \$30 to rent an instrument. For how many months did Avi rent an instrument if he spent a total of \$80?
- (A) 2 months (C) 4 months
 (B) 3 months (D) 5 months