

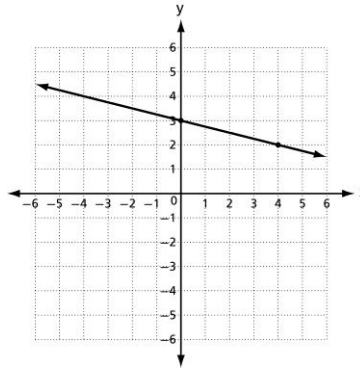
1. Find the slope through points $(-5, 14)$ and $(-1, 2)$

2. Find the slope through points $(-5, 6)$ and $(8, 6)$

3. Find the slope between $(-4, -17)$ and $(-4, -3)$

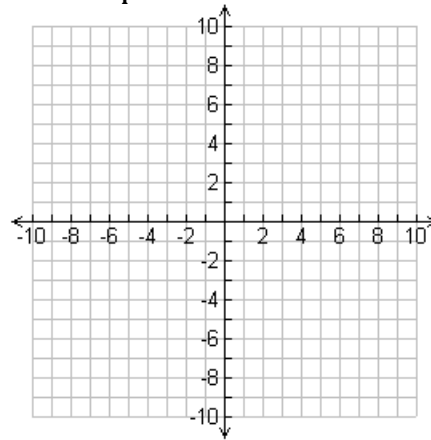
4. Find the slope between $(12, -7)$ and $(2, -2)$

7. What is the equation in slope intercept form for the graph?



Equation: _____

8. Graph: $y = \frac{1}{4}x - 6$



5. A pediatrician uses the model above to estimate the height h of a boy, in inches, in terms of the boy's age a , in years, between the ages of 2 and 5. Based on the model, what is the estimated increase, in inches, of a boy's height each year?

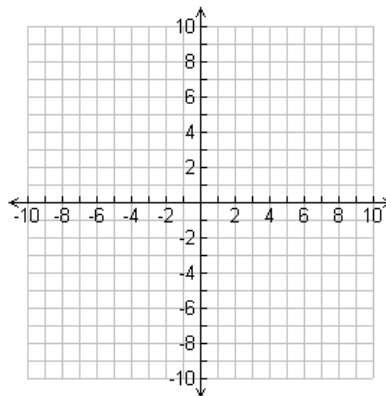
$$h = 3a + 28.6$$

- A) 3
- B) 5.7
- C) 9.5
- D) 14.3

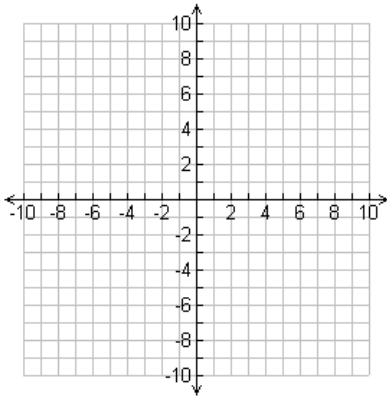
6. Which equation describes the line with a slope of 5 and y -intercept of -3 ?

- A $y = -3x + 5$ C $y = 5x - 3$
- B $y = 3x - 5$ D $y = 5x + 3$

9. Graph: $y = -2x + 3$

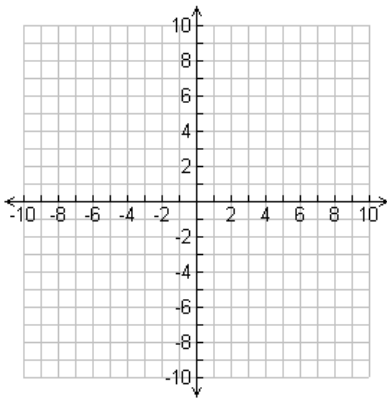


10. Graph: $y = -\frac{2}{3}x + 5$



11. Make up your own equation and graph it!

Equation: _____



CHALLENGE: Write an equation of a line in slope-intercept form that passes through the points (3, 4) and (7, 8)