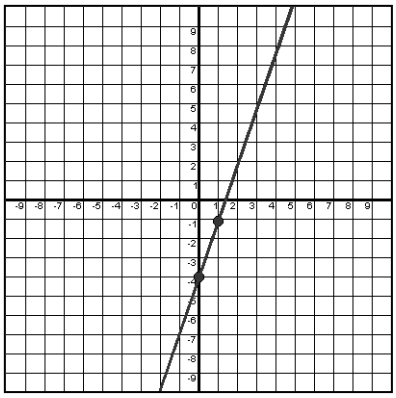
# Algebra I EOC Practice #17

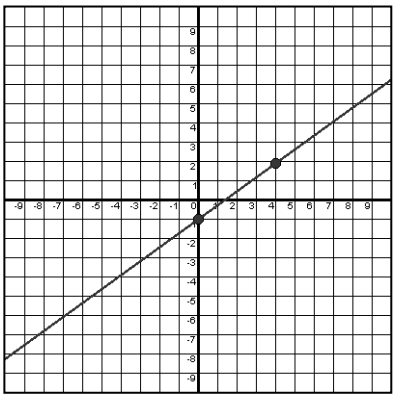
**SPI 3102.3.8: Determine the equation of a line and/or graph a linear equation.**

1. Which equation best represents the graph of the line?



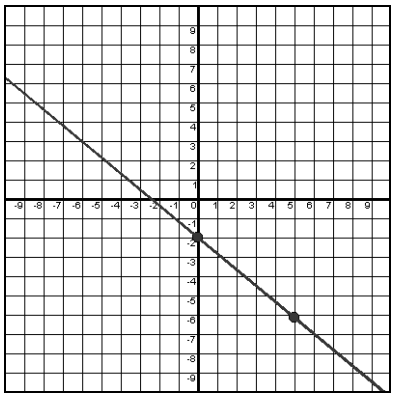
A. $3x - 4y = 8$
B. $4x - y = 3$
C. $3x - y = 4$
D. $2x - y = 4$

2. Which equation best represents the graph of the line?



A. $y = -\frac{3}{4}x - 1$
B. $y = -\frac{4}{3}x - 1$
C. $y = \frac{3}{4}x - 1$
D. $y = \frac{4}{3}x - 1$

3. Write equation best represents the line shown?



A. $y = -1.25x - 2$
B. $y = -1.25x + 3$
C. $y = -0.8x + 3$
D. $y = -0.8x - 2$

4. Which of the following equations has a slope of 3 and passes through the point (5, –8)?

A. $3x + y = -23$
B. $3x - y = 23$
C. $3x + 5y = -8$
D. $5x - 8y = 3$

5. Which of the following equations has a slope of $-\frac{4}{7}$ and passes through the point (14, 3)?

A. $4x + 7y = 77$
B. $14x + 3y = -\frac{4}{7}$
C. $4x - 7y = -77$
D. $\frac{4}{7}x + 3y = 14$