Equations of a Line
02/29/2012

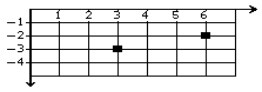
Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and select the correct answer.**

1. Which equation of the line corresponds to the graph?



A. y = -1/3x - 4
B. y = 3/4x
C. y = 1/3x - 4
D. y = 3x - 4

2. A line runs through I(3, -6) and J(-5, 1). Find the equation of the line.

A. y = 7/8x - 27/8
B. y = 7/8x + 3
C. y = -7/8x - 27/8
D. y = -7/8x

3. Given the coordinate points C(-1, 8), L(5, -2), and H(-6, y), write an equation for line CL and find the y-coordinate for point H (-6, y) on the line CL.

A. y = 1.67
B. y = 16.4
C. y = 16 1/3
D. y = -5/3

4. Write an equation for the line that passes through the points $\left(\frac{1}{2}, \frac{1}{10}\right)$ and $\left(-\frac{2}{5}, \frac{2}{5}\right)$
Use the form $y = mx + b$.

A. $y = -3x + \frac{8}{5}$

B. $y = -\frac{1}{5}x$

C. $y = -\frac{1}{3}x + \frac{4}{15}$

D. $y = 5x - \frac{12}{5}$