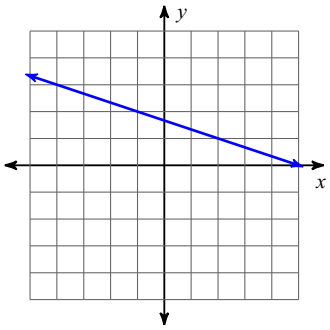
GEOMETRY TUESDAY 2.25.20 Name_____

HOMEWORK: Unit 5A Review

****SHOW WORK****

Find the slope of each line.

1)



A) $\frac{1}{3}$ B) $-\frac{1}{3}$

C) -3 D) 3

Find the slope of the line through each pair of points.

2) $(9, -16), (16, -19)$

A) $-\frac{7}{3}$ B) $\frac{7}{3}$

C) $-\frac{3}{7}$ D) $\frac{3}{7}$

Find the slope of each line.

3) $y = \frac{3}{5}x - 3$

A) $-\frac{3}{5}$ B) $\frac{3}{5}$

C) $\frac{5}{3}$ D) $-\frac{5}{3}$

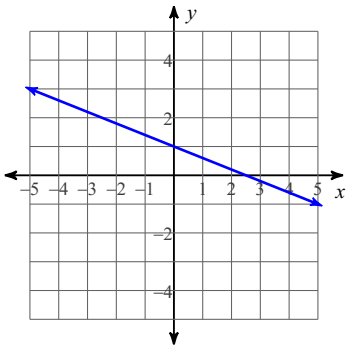
4) $x + 3y = 3$

A) $\frac{1}{3}$ B) 3

C) -3 D) $-\frac{1}{3}$

Write the slope-intercept form of the equation of each line. y=mx+b

5)



A) $y = -\frac{4}{5}x + 1$ B) $y = x - \frac{4}{5}$

C) $y = -\frac{2}{5}x + 1$ D) $y = -x - \frac{4}{5}$

6) $2x - 3y = -1$

A) $y = \frac{1}{3}x + \frac{2}{3}$

B) $y = -\frac{2}{3}x + \frac{1}{3}$

C) $y = -\frac{1}{3}x + \frac{2}{3}$

D) $y = \frac{2}{3}x + \frac{1}{3}$

Write the slope-intercept form of the equation of the line PARALLEL to the given line.

7) through: $(-4, 0)$, parallel to $y = \frac{5}{4}x + 1$

A) $y = -x + \frac{5}{4}$ B) $y = \frac{5}{4}x - 1$

C) $y = 5x + \frac{5}{4}$ D) $y = \frac{5}{4}x + 5$

Write the slope-intercept form of the equation of the line PERPENDICULAR to the given line.

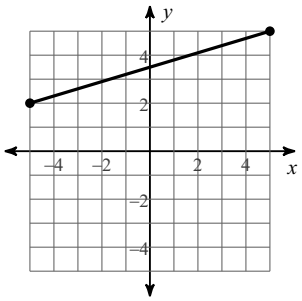
8) through: $(3, 4)$, perp. to $y = -\frac{3}{8}x - 2$

A) $y = \frac{8}{3}x + \frac{2}{3}$ B) $y = \frac{8}{3}x - 4$

C) $y = \frac{2}{3}x + \frac{8}{3}$ D) $y = -4x + \frac{8}{3}$

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

9)

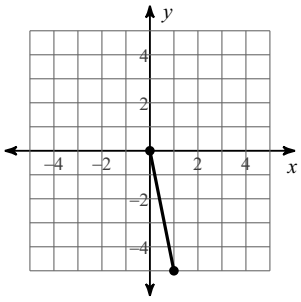


A) 2.6 B) 10.4

C) 11.4 D) 3.6

Find the midpoint of each line segment.

10)



A) $(4, -4.5)$ B) $(-2, 0)$

C) $(0.5, -2.5)$ D) $(-1, 5)$