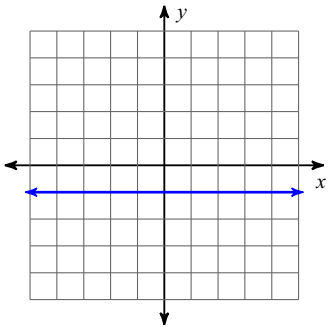
GEOMETRY WEDNESDAY 2.26.20 Name_____

HOMEWORK: Unit 5A Review

****SHOW WORK****

Find the slope of each line.

1)



A) Undefined B) 0

C) −1 D) 1

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

2) $(-5, 15), (16, 18)$

A) -7 B) 7

C) $-\frac{1}{7}$ D) $\frac{1}{7}$

Find the slope of each line.

3) $y = -\frac{7}{5}x - 4$

A) $-\frac{5}{7}$ B) $-\frac{7}{5}$

C) $\frac{5}{7}$ D) $\frac{7}{5}$

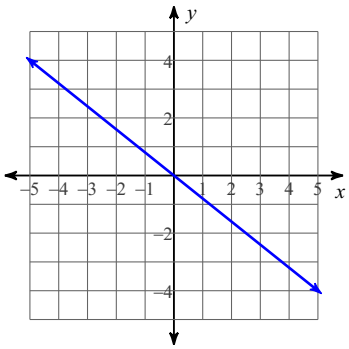
4) $3x - y = 1$

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

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

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

5)



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

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

6) $x - y = 6$

A) $y = 4x - 6$ B) $y = -4x - 6$

C) $y = -2x - 6$ D) $y = x - 6$

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

7) through: $(-1, 0)$, parallel to $y = -4x - 1$

A) $y = 4x - 4$ B) $y = -4x - 4$

C) $y = -4x + 4$ D) $y = 4x + 4$

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

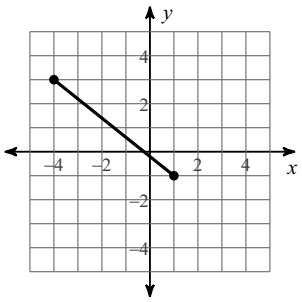
8) through: $(5, -5)$, perp. to $y = \frac{1}{2}x - 3$

A) $y = 5x - 2$ B) $y = -5x - 2$

C) $y = -2x + 5$ D) $y = -2x - 2$

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

9)

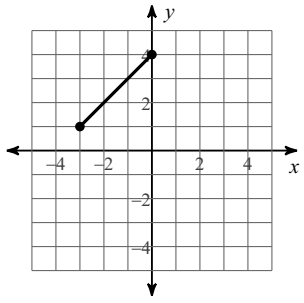


A) 6.4 B) 2.2

C) 3 D) 3.6

Find the midpoint of each line segment.

10)



A) $(-1.5, -1.5)$ B) $(3, 7)$

C) $(-1, 2)$ D) $(-1.5, 2.5)$