Geometry

Name_____

Unit 5 Quiz 1 Review

Date_____ Block_____

Write the slope-intercept form of the equation of the line described.

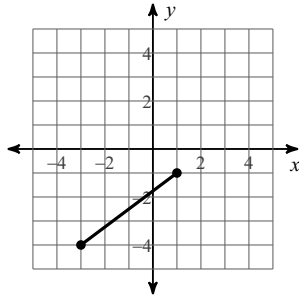1) through: $(-3, -4)$, parallel to $y = \dfrac{8}{3}x$

2) through: $(2, -5)$, parallel to $x = 0$
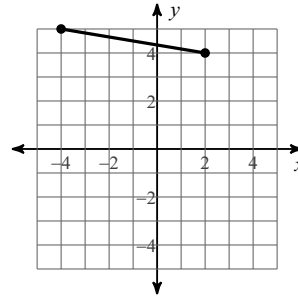
3) through: $(2, 0)$, perp. to $y = -\dfrac{6}{5}x + 2$

4) through: $(4, 1)$, perp. to $x = 0$

Find the midpoint of each line segment.

5)

6)

Find the other endpoint of the line segment with the given endpoint and midpoint.

7) Endpoint: $(6, -7)$, midpoint: $(-9, 6)$

8) Endpoint: $(-1, 3)$, midpoint: $(7, 4)$

Use the information provided to find the coordinate of point P.

9) Find the point P that partitions AB into a ratio 2:1 with A(-3, 4) and B(8, 1)

10) Find the point P that partitions BA so that P is $\dfrac{1}{5}$ away from B with A(-5, 0) and B(2, -3)