

Intro to Geometry (G.GPE.B.4)

Name: _____

Unit One B: Distance & Midpoint - Coordinate Plane (HW28)

Date: _____ Period: _____

Find the distance and midpoint for each pair of points given.

1. $(2,3)$ & $(-4,6)$

2. $(12,3)$ & $(-8,3)$

3. $(2,7)$ & $(10,-3)$

4. $(5,6)$ & $(5,-3)$

Write the equation of the line in slope-intercept form $y = mx + b$ through the following points.

5. $(3,2)$ & $(6,1)$

6. $(1,1)$ & $(3,4)$

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

7. $m = 7$ & goes through $(2,6)$

8. $m = \frac{1}{2}$ & goes through $(2,-4)$

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

9. $m = \frac{1}{3}$ & goes through $(3,-6)$

10. $m = 4$ & goes through $(-8,2)$