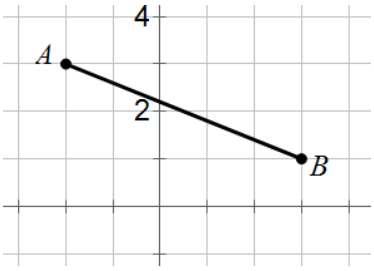
Geometry R – Mrs. Cowen
Unit 2A – Day 2 v2 HW

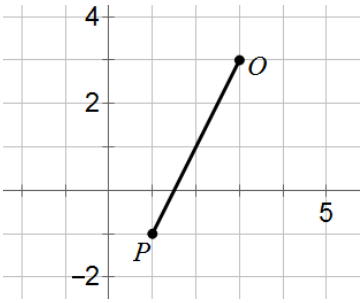
Name_____
Date_____

1. Find the slope of each given segment. Show how you arrived at your answer.

a.



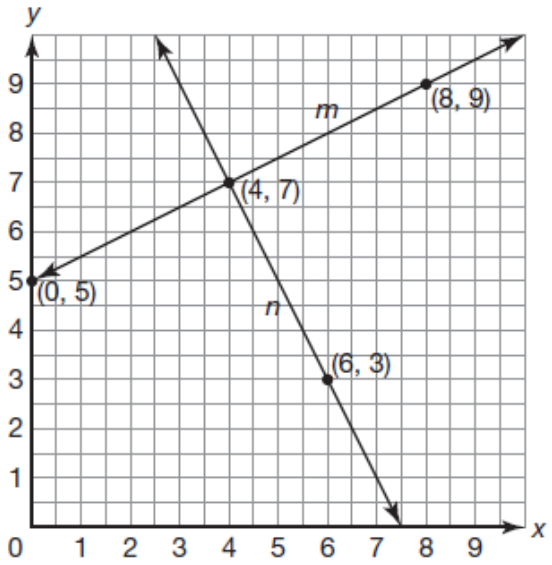
b.



c. $\overline{HP}$, where H(8, 1) and P(3, 5).

d. $\overline{RT}$, where R(-3, 4) and T(-3,-5).

2.



a. Use "**Slope-Intercept**" form to write the equation of line *m.*

b. Use "**Point-slope**" form to write the equation of line *n*

3. Write the equation of the line that passes through the points (4, 5) and (-1, 3). Give your answer in both "**Point – Slope**" and "**Slope-Intercept**" forms.

4. Determine the equation of a vertical line that passes through each given point.

a. (9, -7)

b. (0, -4)

5. Determine the equation of a horizontal line that passes through each given point.

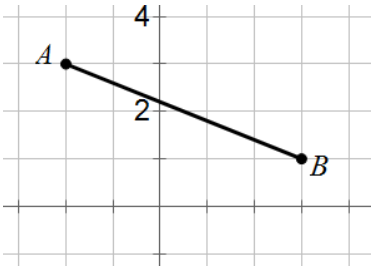
a. (-8, -3)

b. (6, -2)

Mixed Review:

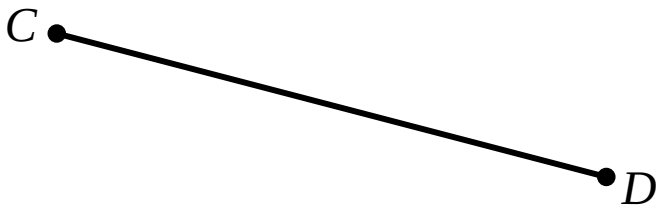
6. Find the length of each given segment. Show how you arrived at your answer.

a.



b. $\overline{HP}$, where H(8, 1) and P(3, 5).

7. Construct the perpendicular bisector of segment CD.



8. Construct a line through point H, parallel to segment MR.