Point Slope Form of a Line HW

Name_____

Algebra Foundations

Date_____ Assignment #_____

Find the slope. $m = \frac{(y_2 - y_1)}{(x_2 - x_1)}$

Plug the slope and the first point into: $y - y_1 = m(x - x_1)$ HINT: (x_1,y_1) is the first point.

Rewrite in Y-Form

1) (-1,5), (-2,7) slope = _____ Substitution: _____ Y-Form:_____	2) (3,2), (8,5) slope = _____ Substitution: _____ Y-Form:_____	3) (2,5), (5,2) slope = _____ Substitution: _____ Y-Form:_____
4) (2,-3), (-1,2) slope = _____ Substitution: _____ Y-Form:_____	5) (4,-1), (2,-6) slope = _____ Substitution: _____ Y-Form:_____	6) (1,3), (2,2) slope = _____ Substitution: _____ Y-Form:_____

Find the slope. $m = \frac{(y_2 - y_1)}{(x_2 - x_1)}$

Plug the slope and the first point into: $y - y_1 = m(x - x_1)$ HINT: (x_1,y_1) is the first point.

Rewrite in Y-Form

7) (-7,3), (7,-2) slope = _____ Substitution: _____ Y-Form:_____	8) (8,-2), (6,2) slope = _____ Substitution: _____ Y-Form:_____	9) (5,7), (3,-2) slope = _____ Substitution: _____ Y-Form:_____
10) (-2,5), (7,-8) slope = _____ Substitution: _____ Y-Form:_____	11) (5,-3), (4,3) slope = _____ Substitution: _____ Y-Form:_____	12) (2,-5), (-2,1) slope = _____ Substitution: _____ Y-Form:_____