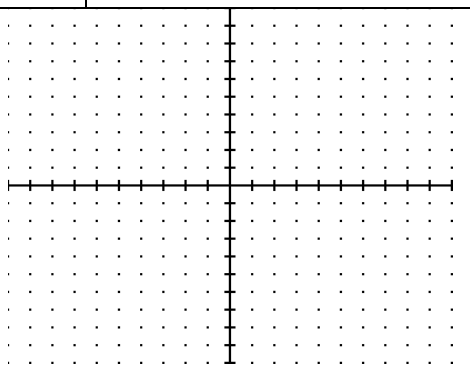
Way Cool Algebra Name _____ Period ____

Graphs – Relations **Parallel and Perpendicular** Assign # _____

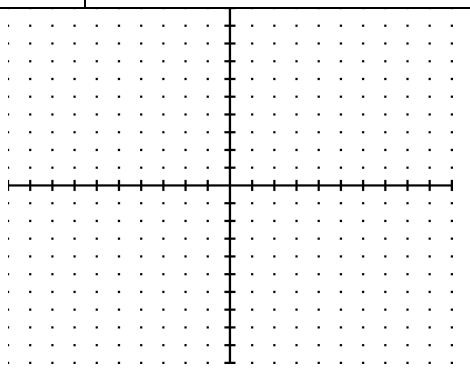
Graph both lines and determine their relationship. Decide if the lines are Parallel, Perpendicular, or Neither. PLOT AS MANY POINTS AS POSSIBLE.

1 $y = 3x + 4$, $y = 3x - 6$



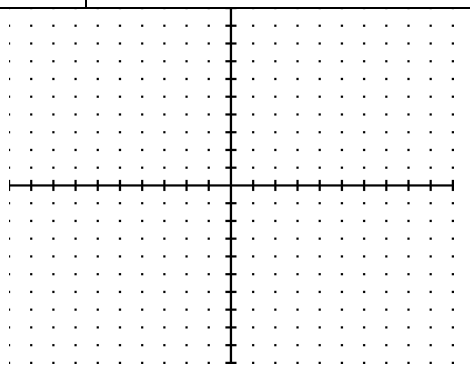
Relationship: _____

2 $y = -4x + 10$, $y = \frac{1}{4}x - 2$



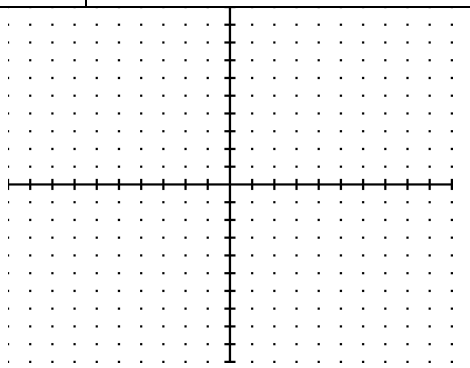
Relationship: _____

3 $y = x - 2$, $y = 6 - x$



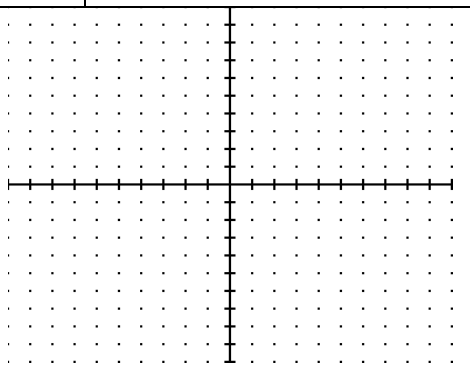
Relationship: _____

4 $y = 3x + 8$, $y = -3x - 7$



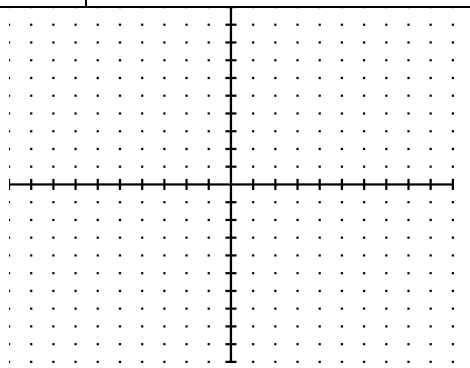
Relationship: _____

5 $y = -\frac{2}{3}x - 1$, $y = -\frac{3}{2}x + 8$



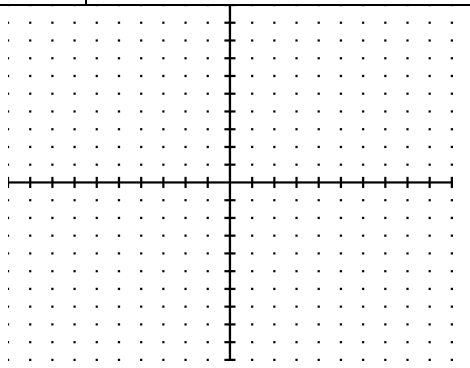
Relationship: _____

6 $y = \frac{2}{5}x + 9$, $y = -\frac{5}{2}x + 1$



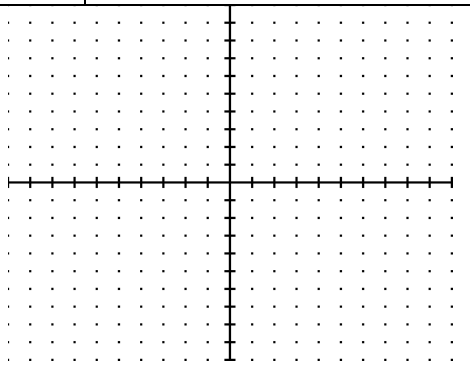
Relationship: _____

7 $y = -\frac{1}{5}x + 5$, $y = -\frac{1}{5}x + 10$



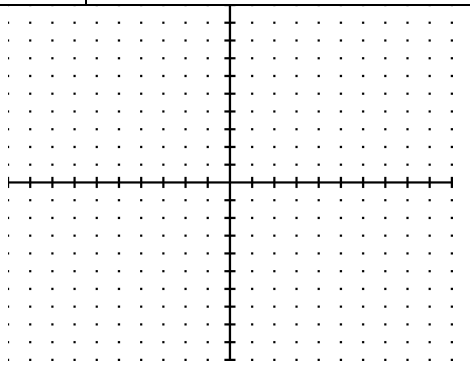
Relationship: _____

8 Put in Slope-Intercept Form on binder paper.
$5x + 6y = 48$
$15x = -9(8 + 2y)$



Relationship: _____

9 Put in Slope-Intercept Form on binder paper.
$5x - y = 1$
$x - 5y = -10$



Relationship: _____

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