

Homework Check:

7. <i>y</i> = 3 <i>x</i>	8. $y = -x$
9. $y = 4x - 7$	10. $y = -\frac{3}{2}x + 2$
11. $y = \frac{2}{3}x$	12. <i>x</i> = 4



Investigation - 25 minutes

Perpendicular lines have **opposite reciprocal** slopes

$$y = 3x - 2$$

Slope of Perpendicular Line:

$$m = -1/3$$

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

Slope of Perpendicular Line:

$$m = 3/2$$



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