LESSON 2.4

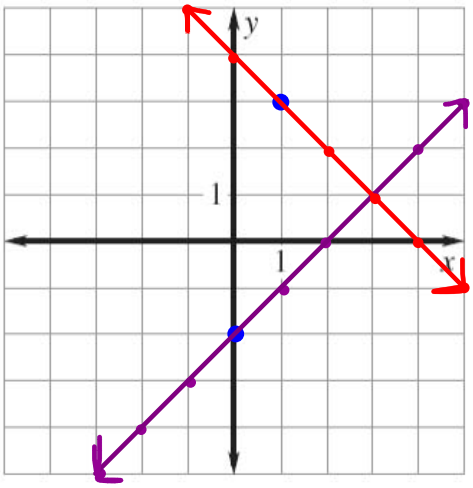
NAME Key DATE

Perpendicular Lines

Graph the line and plot the point. Draw a line perpendicular to the first line that goes through the given point. Perpendicular lines have opposite reciprocal slope. Finally, write the slope-intercept form of the equation of the second line.

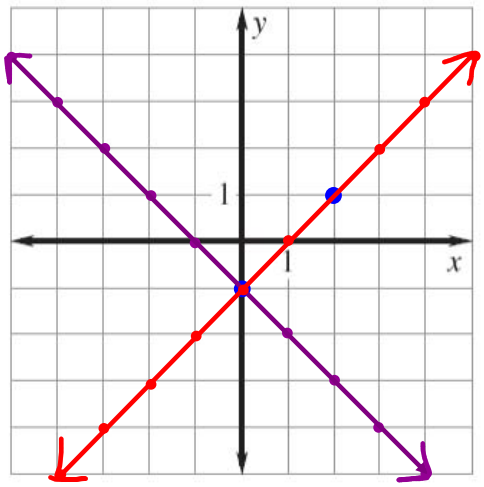
1. $y = x - 2; (1, 3)$

m = -1



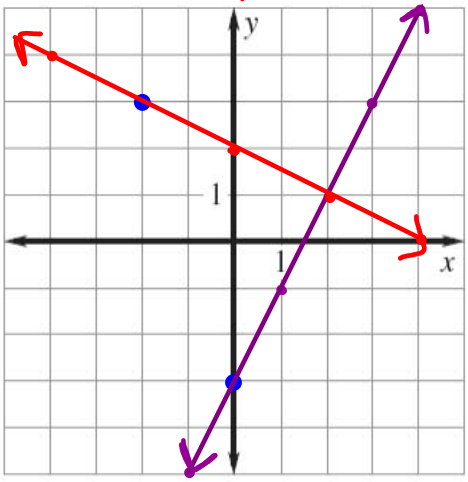
2. $y = -x - 1; (2, 1)$

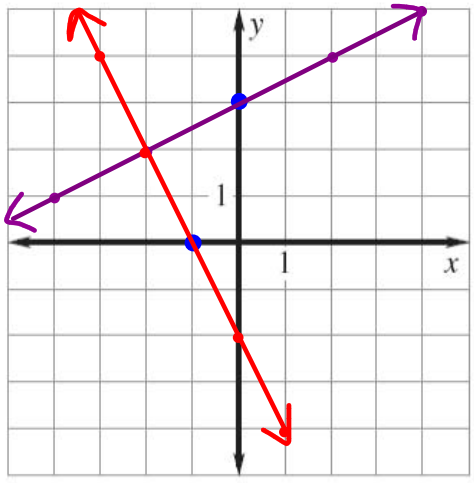
m = +1



3. $y = 2x - 3; (-2, 3)$

m = $\frac{-1}{2}$



4. $y = \frac{1}{2}x + 3; (-1, 0)$

m = -2