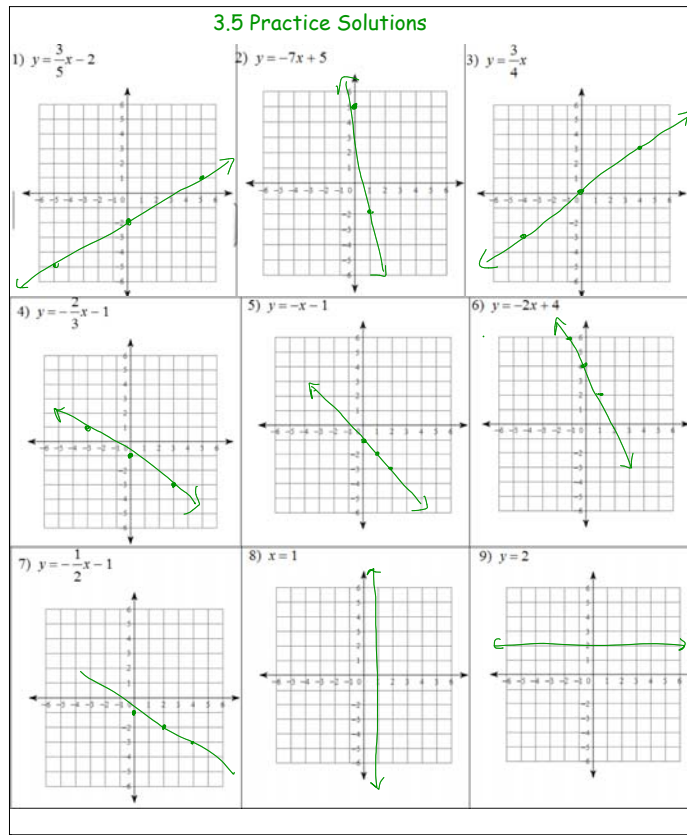


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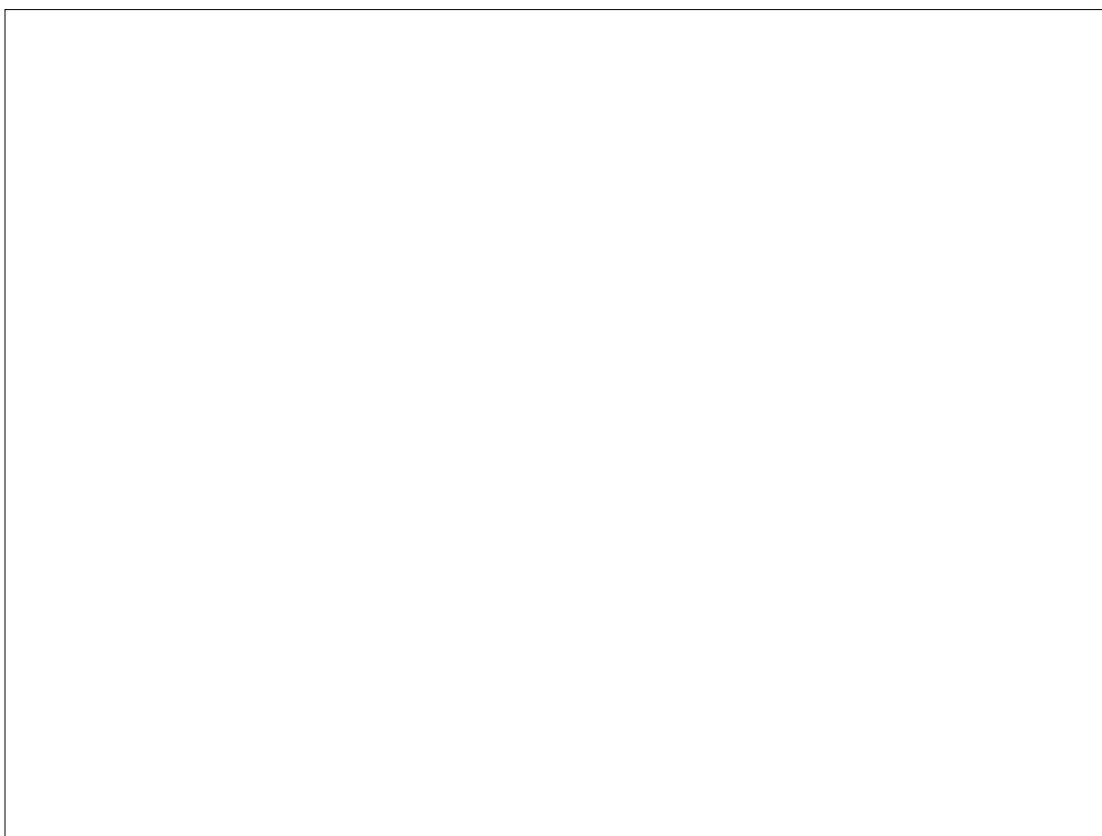
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Directions: Write the slope-intercept form of the equation with the given information.

<p>10) Slope = $\frac{7}{3}$, y-intercept = -3</p> <p>$y = mx + b$</p> <p>$y = \frac{7}{3}x - 3$</p>	<p>11) through: $(0, -1)$, slope = $\frac{1}{2}$</p> <p>$y = mx + b$</p> <p>$-1 = \frac{1}{2}(0) + b$</p> <p>$-1 = 0 + b$</p> <p>$-1 = b$</p> <p>$y = \frac{1}{2}x - 1$</p>
<p>12) through: $(4, 3)$, slope = 2 m</p> <p>$y = mx + b$</p> <p>$3 = (2)(4) + b$</p> <p>$3 = 8 + b$</p> <p>$-8 \quad -8$</p> <p>$-5 = b$</p> <p>$y = 2x - 5$</p>	<p>13) through: $(3, 4)$ and $(5, -2)$</p> <p>$\frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 4}{5 - 3}$</p> <p>$= \frac{-6}{2}$</p> <p>$m = -3$</p> <p>$4 = -3(3) + b$</p> <p>$4 = -9 + b$</p> <p>$13 = b$</p> <p>$y = -3x + 13$</p>
<p>14) through: $(3, 3)$ and $(2, -4)$</p> <p>$\frac{-4 - 3}{2 - 3} = \frac{-7}{-1} = 7$</p> <p>$m = 7$</p> <p>$3 = 7(3) + b$</p> <p>$3 = 21 + b$</p> <p>$-21 \quad -21$</p> <p>$-18 = b$</p> <p>$y = 7x - 18$</p>	<p>15) through: $(-2, 3)$ and $(0, 2)$</p> <p>$\frac{2 - 3}{0 - (-2)} = \frac{-1}{2} = m$</p> <p>$3 = -2(-\frac{1}{2}) + b$</p> <p>$3 = 1 + b$</p> <p>$-1 \quad -1$</p> <p>$2 = b$</p> <p>$y = -\frac{1}{2}x + 2$</p>

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