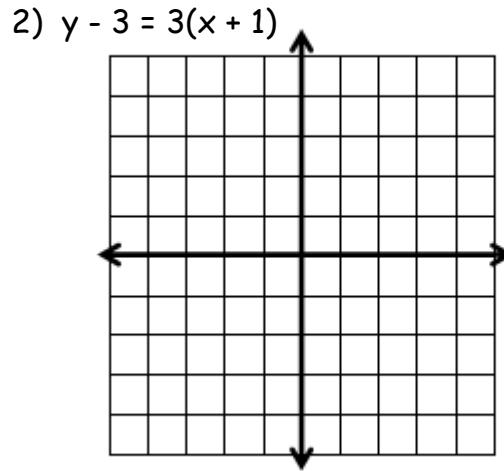
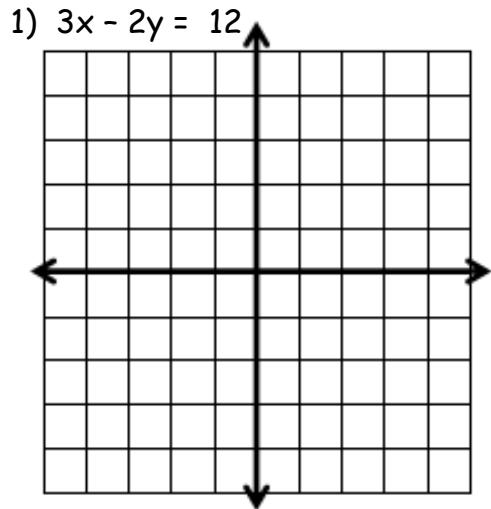
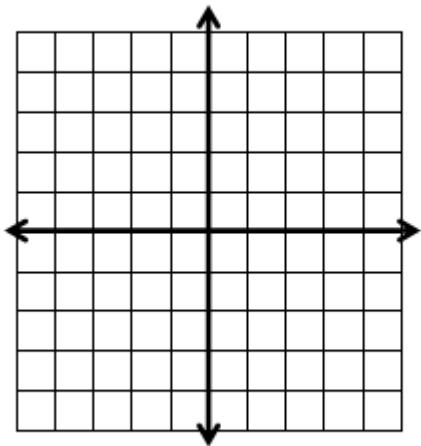


Graphing Linear Functions Worksheet

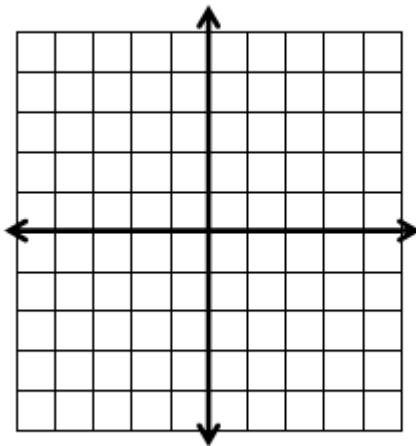
Graph each linear function.



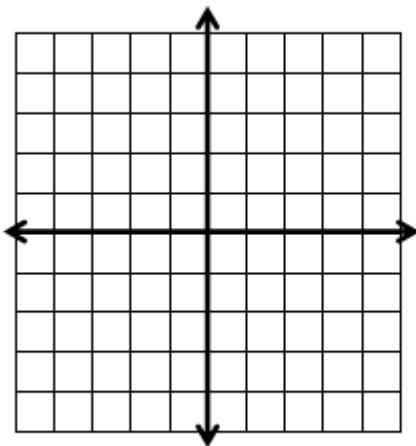
3) $y - 2 = -\frac{3}{2}(x - 3)$



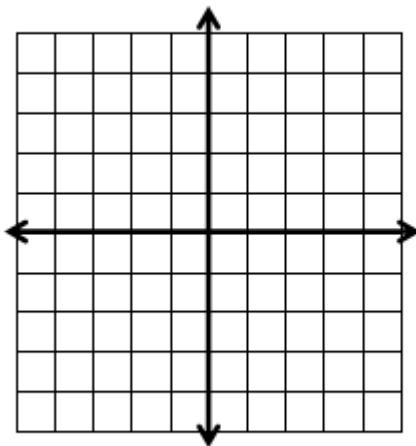
4) $y + 3 = -(x + 2)$



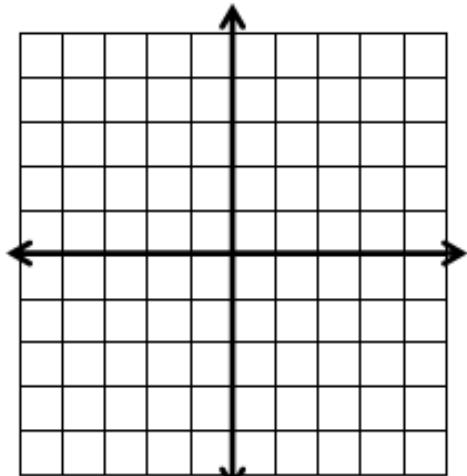
5) $y = -2x - 1$



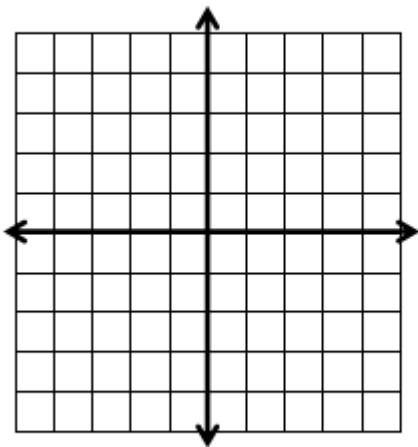
6) $2x + 3y = 6$



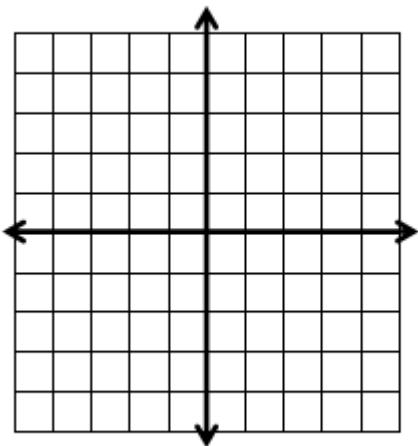
$$7) 2x - y = 4$$



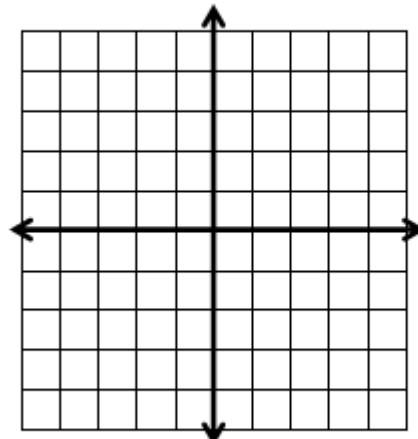
$$9) y - 2 = \frac{2}{3}(x + 1)$$



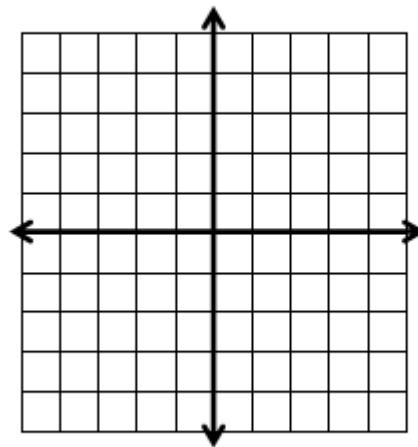
$$11) y = -3x + 4$$



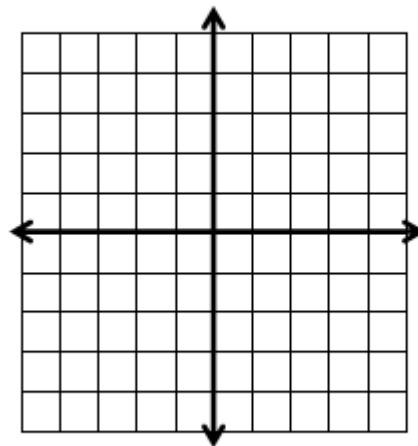
$$8) y - 1 = 2(x + 3)$$



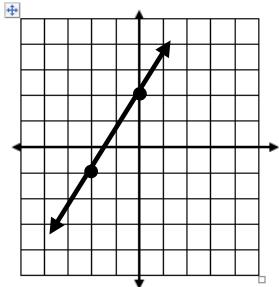
$$10) y + 1 = -\frac{1}{2}(x + 1)$$



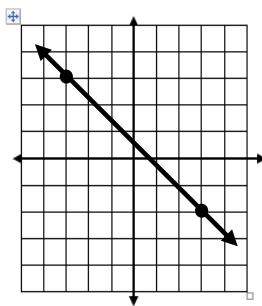
$$12) y = 2x - 5$$



13) Write the equation for this graph in slope intercept form.



14) Write the equation for this graph in point slope form.



ANSWERS

<p>1.</p> <p>A Cartesian coordinate system showing a line with a positive slope. The x-axis ranges from -3 to 5, and the y-axis ranges from -6 to 2. The line passes through the points (0, -6), (1, -4), (2, -2), (3, 0), and (4, 2).</p>	<p>2.</p> <p>A Cartesian coordinate system showing a line with a negative slope. The x-axis ranges from -4 to 3, and the y-axis ranges from -1 to 6. The line passes through the points (0, 6), (1, 4), (2, 0), and (3, -2).</p>	<p>3.</p> <p>A Cartesian coordinate system showing a line with a positive slope. The x-axis ranges from -3 to 5, and the y-axis ranges from -2 to 4. The line passes through the points (0, -2), (1, 0), (2, 2), (3, 4), and (4, 6).</p>
<p>4.</p> <p>A Cartesian coordinate system showing a line with a negative slope. The x-axis ranges from -6 to 0, and the y-axis ranges from -5 to 2. The line passes through the points (0, 1), (-1, 0), and (-2, -1).</p>	<p>5.</p> <p>A Cartesian coordinate system showing a line with a negative slope. The x-axis ranges from -3 to 3, and the y-axis ranges from -3 to 4. The line passes through the points (-3, 4), (-2, 2), (-1, 0), and (0, -1).</p>	<p>6.</p> <p>A Cartesian coordinate system showing a line with a negative slope. The x-axis ranges from -4 to 4, and the y-axis ranges from -3 to 4. The line passes through the points (0, 2), (1, 1), (2, 0), (3, -1), and (4, -2).</p>
<p>7.</p> <p>A Cartesian coordinate system showing a line with a positive slope. The x-axis ranges from -4 to 4, and the y-axis ranges from -4 to 3. The line passes through the points (0, -4), (1, -2), (2, 0), and (3, 3).</p>	<p>8.</p> <p>A Cartesian coordinate system showing a line with a positive slope. The x-axis ranges from -6 to 0, and the y-axis ranges from -3 to 4. The line passes through the points (-4, 4), (-3, 2), (-2, 0), and (-1, -2).</p>	<p>9.</p> <p>A Cartesian coordinate system showing a line with a positive slope. The x-axis ranges from -5 to 2, and the y-axis ranges from -2 to 4. The line passes through the points (-4, 3), (-3, 2), (-2, 1), (-1, 0), and (0, 0).</p>
<p>10.</p> <p>A Cartesian coordinate system showing a line with a negative slope. The x-axis ranges from -5 to 1, and the y-axis ranges from -3 to 3. The line passes through the points (0, -3), (-1, -2), and (-2, 0).</p>	<p>11.</p> <p>A Cartesian coordinate system showing a line with a negative slope. The x-axis ranges from -3 to 3, and the y-axis ranges from -3 to 4. The line passes through the points (0, 4), (1, 1), (2, -3), and (3, -6).</p>	<p>12.</p> <p>A Cartesian coordinate system showing a line with a positive slope. The x-axis ranges from -2 to 4, and the y-axis ranges from -5 to 2. The line passes through the points (0, -5), (1, -3), (2, -1), (3, 1), and (4, 2).</p>
<p>13. $y = \frac{3}{2}x + 2$</p>	<p>14. $y + 2 = -\frac{5}{6}(x - 3)$</p>	