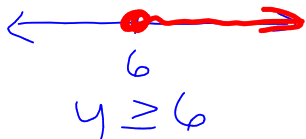



<p>1. Write the equation of the line passing through the points (9,14) and (17,21) in <u>slope-intercept form</u>.</p> $y = \frac{7}{8}x + \frac{49}{8}$	<p>2. Write the equations of the line passing through the points (16,3) and (-4,7) in <u>point-slope form</u>.</p> $y-7 = -\frac{1}{5}(x+4)$ <p style="text-align: center;">or</p> $y-3 = -\frac{1}{5}(x-16)$	<p>3. Solve and graph the solution on a number line. Then state the solution.</p> $3x + 2 \geq -8 + x \text{ or}$ $-7x + 14 \geq 21$ <p style="text-align: center;">All Real Numbers</p>
<p>3. Solve and graph the solution on a number line. Then state the solution.</p> $5 - 2y \leq -7 \text{ and } 5y > -4 + y$  <p style="text-align: center;">$y \geq 6$</p>	<p>5. Solve and graph the solutions on a number line.</p> $ x + 5 + 3 < 4$  <p style="text-align: center;">$-6 < x < -4$</p>	<p>6. Solve using the quadratic formula.</p> $3x + 2 = -x^2$ <p style="text-align: center;">$x = -1 \text{ or } x = -2$</p>
<p>7. Solve using the zero product property.</p> $4x^2 + 2 = -9x$ <p style="text-align: center;">$x = -\frac{1}{4} \text{ or } x = -2$</p>	<p>8. Solve and graph the solutions on a number line.</p> $\left \frac{1}{2}x - 4 \right = 1$ <p style="text-align: center;">$x = 10 \text{ or}$ $x = 6$</p>	<p>9. Factor completely:</p> $2n^2 + 13n - 7$ <p style="text-align: center;">$(2n-1)(n+7)$</p>
<p>10. Factor completely:</p> $4a^2 - 20a - 56$ <p style="text-align: center;">$4(a-7)(a+2)$</p>	<p>11. Solve the system of equations. Write the solution as an ordered pair.</p> $3x - 5y = 12$ $6x + y = 5$ <p style="text-align: center;">$\left(\frac{37}{33}, -\frac{19}{11} \right)$</p>	<p>12. Solve the system of inequalities by graphing.</p> $3x - 2y \geq 6$ $y > -x$ 