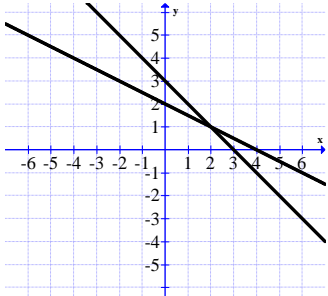


<p>1. Graph the solution on a number line.</p> $\frac{1}{4}x + 2 > \frac{17}{2}$	<p>2. What is the solution to <math>13 - \frac{1}{7}x = 19</math></p>
<p>3. Graph the solution on a number line</p> $10 - 2x \leq -2 ?$	<p>4. What is the solution to</p> $4(4x - 6) = 4(3x + 1) ?$
<p>5. What is the solution to <math>2x + 4 \geq x - 4</math>?</p> <p>A <math>x \geq -2</math></p> <p>B <math>x \geq -\frac{2}{3}</math></p> <p>C <math>x \geq -8</math></p> <p>D <math>x \geq -\frac{8}{3}</math></p>	<p>6. Which value of <math>m</math> satisfies the equation shown below?</p> $5(m - 4) = 3(m + 2)$ <p>A -8.5</p> <p>B 2.5</p> <p>C 8</p> <p>D 13</p>
<p>7. What values of <math>x</math> make the following inequality true?</p> $-3(x + 2) \leq 12$ <p>A <math>x \leq -6</math></p> <p>B <math>x \geq -6</math></p> <p>C <math>x \leq 6</math></p> <p>D <math>x \geq 6</math></p>	<p>8. <math display="block">\begin{cases} 3x + y = 12 \\ y = x + 4 \end{cases}</math></p> <p>Which is the solution to the system of equations shown?</p> <p>A (4, 8)</p> <p>B (2, 18)</p> <p>C (2, 6)</p> <p>D <math>(\frac{1}{2}, 4\frac{1}{2})</math></p>
<p>9. <b>Donny decides to manufacture and sell his band's CD. It requires an investment of \$3349 for computer hardware and it will cost \$3.65 for materials for each disk. If each CD sells for \$13.50, how many must he sell to break even?</b></p> <p>A) 196 CDs                      B) 340 CDs                      C) 195 CDs                      D) 339 CDs</p>	
<p>10. What is the solution to the system of equations shown?</p> $\begin{cases} x + y = 6 \\ x - y = 2 \end{cases}$	<p>11. </p> <p>What is most likely the solution to the system of equations shown in the graph?</p>

12. Solve  $y = \frac{5}{8}b + 10$  for  $b$ .

A)  $b = -\frac{8}{5}y + 16$

B)  $b = \frac{5}{8}y - 10$

C)  $b = \frac{8}{5}y - 16$

D)  $b = -\frac{5}{8}y + 10$

13. Use the given numbers to create an ordered pair representing a solution to  $y < x - 4$ .

**Directions:** You may use a number twice. Be sure to write your answer in the space provided.

ANSWER: ( \_\_\_\_\_ , \_\_\_\_\_ )

-6	-2	-1	0	4
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14. Identify each number that could be a solution to the inequality below. There may be more than one solution.

$$-2x + 7 \leq 9 - 3x$$

A -3

B 10

C 3

D -4

E 1

15 Which inequality is equivalent to  $4x - 2y \leq 8$ ?

A  $y \leq 2x - 4$

B  $y \geq 2x - 4$

C  $y \leq -2x - 4$

D  $y \geq -2x - 4$