

**quiz****Solve.**

1.  $4 = |6 + 4x|$

**Solve the equation algebraically.**

2.  $15 - |x| = 7$

**Solve the inequality.**

3.  $\left| \frac{3}{8}x - 10 \right| < 0$

**Solve. Graph your solution.**

4.  $|x + 7| \geq 9$

5.  $|3x + 2| \leq 1$

**Graph.**

6.  $y \leq 4x + 4$

7.  $-y \geq 2x - 7$

8.  $x \geq -4$

9. Graph the system of linear inequalities.

$$y \leq -2x - 1$$

$$y \leq 3$$

Solve the system of inequalities graphically:

10.  $y \geq -2x - 1$

$$y < -2$$