

SHOW ALL WORK

Solve: 1. $3|2x + 5| = 9x - 6$

2. Solve the inequality and graph on a number line.

$$5|y + 3| < 15$$



Solution: _____

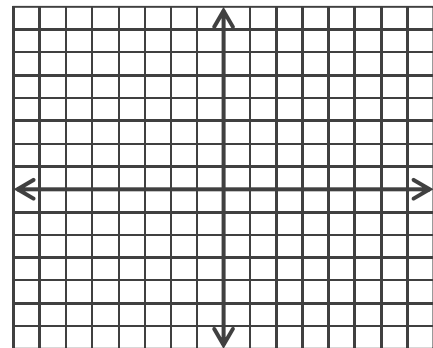
Solution: _____

3. Solve: $\frac{3}{5}x + \frac{2}{3} = \frac{2}{15}x - 2$

4. Graph the solution to :

$$x - 2y < 3$$

$$2x + y > 8$$



Solution: _____

5. Solve the system using any method you would like. Show all work.

$$\begin{cases} x + y + z = -1 \\ 2x - y + 2z = -5 \\ -x + 2y - z = 4 \end{cases}$$

Solution: _____