

$$\textcircled{24} \quad 5|x+7| + 14 = 8$$

$$\frac{5|x+7|}{5} = \frac{-6}{5}$$

$$|x+7| = \frac{-6}{5}$$

No Solution

$$\textcircled{25} \quad |x-3| = 5$$

$$\begin{array}{r} x-3 = 5 \\ +3 \quad +3 \\ \hline \end{array}$$

$$x = 8$$

$$\begin{array}{r} x-3 = -5 \\ +3 \quad +3 \\ \hline \end{array}$$

$$x = -2$$

$\textcircled{48}$ Student should not distribute into absolute value.

Correct solution: $\frac{-3|x+6|}{-3} = \frac{-9}{-3}$

$$|x+6| = 3$$

$$\begin{array}{r} x+6 = 3 \\ -6 \quad -6 \\ \hline \end{array} \quad \begin{array}{r} x+6 = -3 \\ -6 \quad -6 \\ \hline \end{array}$$

$$x = -3 \quad x = -9$$