

$$9. 2m + 5 = 5(m - 7) - 3m$$

$$2m + 5 = 5m - 35 - 3m$$

$$\begin{array}{r} 2m + 5 = 2m - 35 \\ \cancel{-2m} \quad \quad \quad \cancel{-2m} \end{array}$$

$$5 = -35$$

↑  
False

No Solution

$$10. 3(r + 1) - 5 = 3r - 2$$

$$3r + 3 - 5 = 3r - 2$$

$$\begin{array}{r} 3r + 3 - 5 = 3r - 2 \\ \quad \quad \quad +5 \quad \quad \quad +5 \\ \hline 3r + 3 = 3r + 3 \\ \quad \quad \quad -3r \quad \quad \quad -3r \\ \hline 3 = 3 \end{array}$$

~~R~~

Identity