Solving Multi-Step Equations

Solve each equation.

1) $8x - 6x - 25 = -35$

$2x - 25 = -35$

$+25 \quad +25$

$\frac{2x}{2} = \frac{-10}{2}$

$x = -5$

2) $2(1 - 5x) + 4 = -8$

$2 - 10x + 4 = -8$

$-10x + 6 = -8$

$-6 \quad -6$

$\frac{-10x}{-10} = \frac{-14}{-10}$

$x = 1.4$

Steps

1. Distributive Property
2. Combine Like Terms
3. Proceed to Solve