

Ex 2

$$a) 8x - 3 > 4(2x + 3)$$

$$\cancel{8x} - 3 > \cancel{8x} + 12$$

$$-3 > 12$$

False \rightarrow No Solution

$$b) 2(5w - 1) \leq 7 + 10w$$

$$\cancel{10w} - 2 \leq 7 + \cancel{10w}$$

$$-2 \leq 7$$

True \rightarrow Infinite Solutions

$$2(5 \cdot 6 - 1) \leq 7 + 10 \cdot 6$$

$$2(29) \leq 7 + 60$$

$$58 \leq 67 \quad /$$

$$\frac{29}{29}$$

$$\frac{29}{8}$$