

LOBANNEN

4a) $5x - 3 = 27$ $|+3$ $|+5$
 $5x = 30$
 $x = 6$
 Probe: $5 \cdot 6 - 3 = 27$
 $27 = 27$ w.A.

b) $-8 = y + 12$ $| -12$
 $-20 = y$
 Probe: $-8 = -20 + 12$
 $-8 = -8$ w.A.

c) $12x - 3 = 2x + 47$ $|-2x$ $|+3$ $|:10$
 $10x - 3 = 47$
 $10x = 50$
 $x = 5$
 Probe: $12 \cdot 5 - 3 = 2 \cdot 5 + 47$
 $57 = 57$ w.A.

d) $8x - 14 = 18 - 5x$ $|+5x$ $|+14$ $|:13$
 $13x - 14 = 18$
 $13x - 14 = 18$
 $13x = 32$
 $x = \frac{32}{13}$
 Probe: $8 \cdot \frac{32}{13} - 14 = 18 - 5 \cdot \frac{32}{13}$
 $\frac{256}{13} - 14 = 18 - \frac{160}{13}$
 $\frac{256}{13} - 182 = \frac{234}{13} - \frac{160}{13}$
 $\frac{74}{13} = \frac{74}{13}$ w.A.

e) $4x - 12 = 2 \cdot (3 - 7x)$ $|+14x$ $|+12$ $|:18$
 $18x - 12 = 6$
 $18x - 12 = 6$
 $18x = 18$
 $x = 1$

f) $6x + 15 + 12x = 3 \cdot (7 + 2x)$ $|-6x$ $|-15$ $|:12$
 $12x + 15 = 51$
 $12x + 15 = 51$
 $12x = 36$
 $x = 3$

Probe: $6 \cdot 3 + 15 + 12 \cdot 3 = 3 \cdot (7 + 2 \cdot 3)$
 $69 = 69$ w.A.

Probe: $4 \cdot 1 - 12 = 2 \cdot (3 - 7 \cdot 1)$
 $-8 = -8$ w.A.