Buch S. 184 Nr. 16

a) $2 \cdot (x + 5) = 18$

$2x + 10 = 18 \quad | -10$

$2x = 8 \quad | :2$

$x = 4$

Probe:

$2 \cdot (4 + 5) = 18$

$2 \cdot 9 = 18$

$18 = 18$ wahr!

b) $7 \cdot (x - 7) = 14$

$7x - 49 = 14 \quad | +49$

$7x = 63 \quad | :7$

$x = 9$

Probe:

$7 \cdot (9 - 7) = 14$

$63 - 49 = 14$

$14 = 14$ wahr!

c) $3 \cdot (x + 6) = 30$

$3x + 18 = 30 \quad | -18$

$3x = 12 \quad | :3$

$x = 4$

Probe:

$3 \cdot (4 + 6) = 30$

$3 \cdot 10 = 30$

$30 = 30$ wahr!

d) $8 \cdot (x - 5) = 32$

$8x - 40 = 32 \quad | +40$

$8x = 72 \quad | :8$

$x = 9$

Probe:

$8 \cdot (9 - 5) = 32$

$8 \cdot 4 = 32$

$32 = 32$ wahr!