Solve for w: $w - 5 = 22$

(1)

$+5 \quad +5$

$\boxed{w = 27}$

Solve for x: $-x + 2 = 91$

(2)

$-2 \quad -2$

$-x = 89$

$\boxed{x = -89}$

✓

Solve for x: $\frac{2}{3}x - 1 = 5$

(3)

$+1 \quad +1$

$\frac{3}{2} \cdot \frac{2}{3}x = 6 \cdot \frac{3}{2}$

$x = \frac{18}{2}$

$\boxed{x = 9}$

Solve for x: $7x - 8 = 27$

(4)

$+8 \quad +8$

$\frac{7x}{7} = \frac{35}{7}$

$\boxed{x = 5}$

Solve for x: $2(3 + 4x) - 5 = 17$

(5)

$6 + 8x - 5 = 17$

$1 + 8x = 17$

$-1 \quad -1$

$\frac{8x}{8} = \frac{16}{8}$

$\boxed{x = 2}$

Solve for w: $P = 2L + 2w$

(6)

$-2L \quad -2L$

$\frac{P - 2L}{2} = \frac{2w}{2}$

$\boxed{\frac{P - 2L}{2} = w}$

SAME

$w = \frac{P}{2} - L$

✓ NOTES

Solve for x: $3y + 2x = 6$

(7)

$-3y \quad -3y$

$\frac{2x}{2} = \frac{6 - 3y}{2}$

$\boxed{x = \frac{6 - 3y}{2}}$

CAN ALSO CLEAR FRACTION:

$3\left(\frac{2}{3}x - 1\right) = 3 \cdot 5$

$2x - 3 = 15$

$2x = 18$

$x = 9$

Solve for h: $E = \frac{1}{2}ah + \frac{1}{2}ch$

(8)

$2 \cdot E = 2 \cdot \left(\frac{1}{2}ah + \frac{1}{2}ch\right)$

$2E = ah + ch$

$\frac{2E}{a+c} = \frac{h(a+c)}{a+c}$

$\boxed{\frac{2E}{a+c} = h}$

Excellent student WORK