

Multiple-Step Equations

Solve. Check.

① $1 = 5 - \frac{1}{3}x$

② $2(3-n) = 6$

③ $7w - 9 = 3w - 3$

④ $6x - 3(2x - 1) = 4$

⑤ $10 - 5(n - 2) = 7 - 3(2n - 1)$

⑥ $4 - 3(1 - x) = 3(x + 1) - 2$

Answers:

① $x = 12$

② $n = 0$

③ $w = \frac{3}{2}$

④ $x = \emptyset$

⑤ $n = -10$

⑥ $\forall \mathbb{R}$