

Name:

Date: Score:

Solving Linear Equations Worksheet

① $2(m + 6) = 48$

② $8x + 9 - 3x = 8 + 4x + 5$

③ $8a - (4a + 32) = 16$

④ $-3(x - 1) + 8(x - 3) = 6x + 7 - 5x$

⑤ $10x + 5(5x - 3) = 5(6x + 4)$

⑥ $0.02m + 0.08(8 - m) = 1.78$

⑦ $\frac{1}{3}(10 - 2x) = \frac{1}{3}(8 - 2x)$

⑧ $-14 + 6b + 7 - 2b = 1 + 5b$

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Answers

① $2(m + 6) = 48$

$m = 18$

② $8x + 9 - 3x = 8 + 4x + 5$

$x = 4$

③ $8a - (4a + 32) = 16$

$a = 12$

④ $-3(x - 1) + 8(x - 3) = 6x + 7 - 5x$

$x = 7$

⑤ $10x + 5(5x - 3) = 5(6x + 4)$

$x = 7$

⑥ $0.02m + 0.08(8 - m) = 1.78$

$m = -19$

⑦ $\frac{1}{3}(10 - 2x) = \frac{1}{3}(8 - 2x)$

$x = 6$

⑧ $-14 + 6b + 7 - 2b = 1 + 5b$

$b = -8$