

Name :

Date :

Solving Two-Step Equations Worksheet

Find x .

① $3x + 2 = 22$

② $\frac{x-7}{-3} = 4$

③ $\frac{3}{4}x - 2 = 10$

④ $10 - 6x = -104$

⑤ $-10 = 10(x-9)$

⑥ $6 + \frac{x}{-4} = 5$

⑦ $13 = \frac{x-14}{2}$

⑧ $\frac{x}{4} - 1 = 1$

⑨ $-\frac{x}{3} - (-12) = 0$

⑩ $\frac{4x}{5} - 1 = -9$

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Answers

① $3x + 2 = 22$

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

② $\frac{x-7}{-3} = 4$

$x = -5$

③ $\frac{3}{4}x - 2 = 10$

$x = 16$

④ $10 - 6x = -104$

$x = 19$

⑤ $-10 = 10(x - 9)$

$x = 8$

⑥ $6 + \frac{x}{-4} = 5$

$x = 4$

⑦ $13 = \frac{x-14}{2}$

$x = 40$

⑧ $\frac{x}{4} - 1 = 1$

$x = 8$

⑨ $-\frac{x}{3} - (-12) = 0$

$x = 36$

⑩ $\frac{4x}{5} - 1 = -9$

$x = -10$