

Math 9

Worksheet

Variables on both sides:

Class/Homework

Solve

1) $4y - 10 = 3y$

2) $5 - 3w = 2w$

3) $4p + 2 = 11p$

4) $5x - 3 = -x$

5) $7r - 5 = 2r + 5$

6) $4a + 2 = 6a - 12$

7) $7m + 15 = 3m + 3$

8) $9r + 4 = 7r + 4$

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9) $4x - 1 = 6x + 2$

10) $3a - 7 = a + 8$

11) $3x + 15 = 6x - 13$

12) $7w - 6 = 6w - 7$

13) $4f + 5 - 2f = 3f$

14) $6u + 7 - 3u = 8 + 5u - 11$

15) $5p + 2 - 3p = 8 + 4p - 6$

16) $9y - 1 - 7y = 7 - 6y - 15$

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6) Solve the following using inverse operations

a) $4g = 7 - 3g$

b) $4k + 4 = -2k - 8$

c) $-4a - 3 = 3 - a$

d) $3h - 5 = 7 - 3h$

8. Solve each equation.

$$\text{a) } 2.4 = \frac{4.8}{x}$$

$$\text{b) } \frac{-5.4}{x} = 1.8$$

$$\text{c) } -6.5 = \frac{-1.3}{x}$$

10. Solve each equation.

$$\text{a) } -12a = 15 - 15a$$

$$\text{c) } -10.8 + 7z = 5z$$

$$\text{e) } -20.5 - 2.2b = -7.2b$$