

Name:

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After completing the worksheet, check your solutions against the solutions given on my website

Algebra Worksheet 2

Determine whether the following values are correct for the unknowns in each question.

Substitute the given value in for the variable and see if both sides are equal.

a) $a = 3$
 $2a + 3 = 7$

e) $e = -3$
 $2e + 5 = -2e - 7$

i) $i = \frac{3}{5}$
 $5i - 4 = -1$

b) $b = -1$
 $6 - 2b = 7$

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

j) $j = -\frac{2}{3}$
 $2j + 3 = 5j - 2$

c) $c = -2$
 $3c - 5 = -12$

g) $g = \frac{1}{2}$
 $2g + 3 = 5g - 1$

k) $k = \frac{3}{2}$
 $4k + 1 = 2k + 4$

d) $d = 2$
 $4 - 2d = 0$

h) $h = -\frac{1}{3}$
 $3h + 1 = 3 + 9h$

l) $l = \frac{9}{2}$
 $l + 5 = 3l - 4$

Solve each equation for the unknown, then perform a check of your answer. Are both sides equal when you put your value into the equation???

1) $3x + 7 = x - 1$

4) $3 + 4x = 2 - 3x$

2) $5 - 2x = 3x + 1$

5) $3 - 3x = 4 - 5x$

3) $4x - 2 = 3 - 2x$

6) $2x + 6 = -5x + 6$

Now check your answers on my website! They are posted under the November 26th heading.