

Solving Equations 9

Geometry

Solve, check, and graph the following equations. (Use the back of the sheet for the last equations.)

1) $6x = 3x + 21$

2) $5g = 40 - 3g$

3) $-53 = -6x - 11$

$x = 7$

$g = 5$

$x = 7$

Last step of check:

Last step of check:

Last step of check:

$42 = 42$

$25 = 25$

$-53 = -53$

4) $-v + 9 = -24$

5) $-7 = -13 + \frac{m^2}{6}$

6) $15x - 11x = 24$

$v = 33$

$m = \pm 6$

$m = 6$

Last step of check:

Last step of check:

Last step of check:

$-24 = -24$

$-7 = -7$

$-7 = -7$

$24 = 24$

7) $-4x = -9x + 30$

8) $r + 76 = 6r + 21$

9) $-11x + 5x = 42$

$x = 6$

$r = 11$

$x = -7$

Last step of check:

Last step of check:

Last step of check:

$-24 = -24$

$87 = 87$

$42 = 42$

10) $-14v + 5v = -54$

11) $5 + 12x - 7x - 16 = -51$

12) $-6n - 8 + 2n + 11 = 39$

$v = 6$

$x = -8$

$n = -9$

Last step of check:

Last step of check:

Last step of check:

$-54 = -54$

$-51 = -51$

$39 = 39$

$$13) 26 + 8x = 15x - 37$$

$$14) -2x + 23 = -17 - 10x$$

$$x = 9$$

$$x = -5$$

Last step of check:

Last step of check:

$$98 = 98$$

$$33 = 33$$

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