

Solving Equations 6
Geometry

Evaluate the following expressions given the indicated value for the variable.

1) $k(-7) + 108 \div k^3 - 14$, $k = -3$

2) $12(30) - (3b)^2 \div 3^2 + b^3$, $b = 5$

Solve, check, and graph the following equations.

3) $65 = -12x + 5$

4) $-22 = -q - 8$

5) $3x + 5x = 48$

6) $x + 11x = -108$

7) $8x - 3x = -40$

8) $4x + 2x - 5 = 61$

9) $3x + 7 + 3x = -35$

10) $7x + 19 - 6x = 15$