SAMPLE PROBLEMS

One- and Two-Step Equations

- $m + 12 = 10$
- $-2 = g - 9$
- $\frac{a}{9} = -4$
- $\frac{2}{3}a = 10$
- $-\frac{1}{2}m = -9$
- $6c + 8 = 50$
- $7 - 3x = 34$
- $11 = \frac{x}{-5} + 8$

Multi-Step Equations

- $9x + 1 - 7x - 5 = -20$
- $4m - 5(3m + 10) = 126$
- $-3(k - 8) - (k + 5) = 23$
- $x - 3(2x - 7) = 76$
- $2(5x + 3) - 4(7x + 1) = -88$

Absolute Value

- $|x| = 2$
- $|5z| = 40$
- $|d + 1| = 8$
- $|-2v - 5| = 17$
- $|x| + 2 = 12$
- $6|x| = 24$
- $-2|z + 3| = -14$
- $5|4r - 4| - 9 = 31$

Inequalities

- $3x + 2 < -4$
- $3 + \frac{x}{7} \geq 1$
- $-\frac{1}{3}x + 4 > 11$
- $4(x + 3) > -24$
- $-8(x - 1) - x \leq -28$
- $x - 3(x + 2) > 4$
- $7x - 2(x - 4) \leq -2$
- $-39 \leq 5x - 9 \leq 16$