

**Solving One-Variable Equations and Inequalities***Mission Support*

Distributive Property	$5(6 + 3) = 5(6) + 5(3)$	$4(3x - 2) = 12x - 8$
Associative Property	$11 + (8 + 5) = (11 + 8) + 5$ $5 \times (6 \times 2) = (5 \times 6) \times 2$	$2x + (4x + 6) = (2x + 4x) + 6$ $3 \cdot (2x \cdot 4) = (3 \cdot 2x) \cdot 4$
Commutative Property	$12 + 7 = 7 + 12$ $12(7) = 7(12)$	$4x + 8 = 8 + 4x$ $3(2x) = (2x)3$
Identity	$15 + 0 = 15$ $8.5(1) = 8.5$	$6x + (7 - 7) = 6x$ $4x(1) = 4x$
Inverse	$15 + (-15) = 0$ $\frac{3}{4} \times \frac{4}{3} = 1$	$7x + (-7x) = 0$ $5n \times \frac{1}{5n} = 1$

