

Multiply Polynomials

Distributive Property $a(b + c) =$ _____

$a(b - c) =$ _____

9. $\frac{2}{3}(9x^2 - 5)$	10. $-6c(5c - 7)$
11. $(2y + 4)(y - 6)$	12. $(3g - 6)(3g + 6)$

Solving Multi-Step Equations (including Proportions!)

13. $3n - 5 = -8(6 + 5n)$	14. $-5(4x - 7) = -8x - 35 + 2x$
15. $12(2k + 11) = 12(2k + 12)$	16. $-4k + 2(5k - 6) = -3k - 39$
17. $\frac{11}{w} = \frac{33}{w+24}$	18. $\frac{9}{k-7} = \frac{6}{k}$

Solving Literal Equations

19. Solve $a - bx = c$ for x .	20. Solve $3x + 2y = 7$ for y .
21. Solve $P = 2(L + W)$ for W .	22. Solve $D = \frac{m}{v}$ for v .

Solving Multi-Step Inequalities

If you multiply or divide both sides by a _____, you must _____ the inequality.

23. $4x - 3 \geq 2x - 17$	24. $3(x - 5) + 9x \geq -3$
25. $-3(2x - 7) > -5x - 4$	26. $6(2x - 4) < 4(3x + 7)$