Solutions to Warmup 3

Solve the following equations:

1. 3(a-2) = 153a - 6 = 153a = 21a = 72. 3x = 10 - 2x5x = 10x = 23. |7-3| = |4| = 44. |7+3| = |10| = 105.|8x - 4| = 128x - 4 = 12 or 8x - 4 = -12

> 8x = 16 or 8x = -8x = 2 or x = -1

Note: We hope you went back and checked your solutions for 1, 2, and 5!

Find the equation of the line through (3,0) and (6,3)

6. slope = 1 (See Warmup 2) $x_1 = 3, y_1 = 0$ y = mx + b 0 = 3 + b b = -3 y = x - 3Check your answer using the other point (6,3): $x_2 = 6, y_2 = 3$ 3 = 6 - 3? Yes! Our equation is correct.