

Alg I 2.2 notes.notebook

A1 2.2 notes

Solving Two-Step Equations

A reminder from 2.1...

Inverse Operations: Inverse operations “undo” operations. We undo operations in the reverse order of operations.

Inverse of Addition: _____ Inverse of Subtraction: _____

Inverse of Multiplication: _____ Inverse of Division: _____

Solve for x.

1) $3x + 5 = 20$

2) $\frac{x}{4} - 2 = 8$

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3) $-x + 6 = 9$

4) $\frac{x+5}{3} = 10$

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5) Susie has \$26 and a coupon for \$2 off at Best Buy. A CD costs \$3. How many CDs can she buy?

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Using deductive reasoning

Solve each equation. Justify each step.

7) $3x - 7 = 14$

8) $11 = 4 + \frac{x}{5}$

6) Frank is going bowling. Shoe rental costs \$3 and each game costs \$2.50. Frank has \$12 he can spend. How many games can he bowl?