

AA1 Pre-Test

A1a. I can solve equations.

Solve for x.

1. $x - 4 = 13$

3. $-4(x - 1) - 6 = 18$

2. $2x + 3 = 9$

4. $7(\frac{2}{5}x + 2) = 49$

A1b. I can manipulate equations.

Solve for the indicated variable.

1. Solve for b: $12a = 3(4b + 5c)$

2. Solve for m: $n + 3 = \frac{2(m-4p)}{3}$

A5b. I can solve quadratic equations.

Solve for x.

1. $x^2 - 100 = 0$

3. $x^2 + 6x + 4 = 0$

5. $2x^2 + 9x - 5 = 0$

2. $x^2 - 2x - 8 = 0$

4. $x^2 - x = 0$

A7a. I can apply the properties of exponents.

Simplify the expressions.

1. $(3x)^2$

2. $(x + 4)^2$

3. $5x^4 + 7x^4$

4. $(x^3)(2x^6)$

5. $(33x)^0$