

## 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:  $12a = 3b + 5c$

2. Solve for m:  $n + 3 = 2(n + 7m)$

***A5b. I can solve quadratic equations.***

Solve for x.

1.  $x^2 - 100 = 0$

3.  $x^2 - x = 0$

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

***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.  $(33x)^0$