

Name: _____

This quiz covers: 1.3, 1.4, and 3.1.

Directions: Complete all questions and **show all applicable work.** Partial credit will be given. All questions are equally weighted.

1.) Solve the following equation for x by **factoring**:

$$x^2 - 11x = 12$$

2.) Solve the following equation for x :

$$x^2 + 5 = 1$$

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3.) Find the vertex, y-intercept and x-intercept(s) of the following function, then graph it.

$$y = x^2 - 8x + 15$$