

Name: \_\_\_\_\_

This quiz covers: P.1-P.3.

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

1.) Rationalize the denominator:

$$\frac{2}{\sqrt{3}-1}$$

2.) Find the product and simplify:

$$(x + y + 5)(x - y - 5)$$

3.) Factor:

$$4x^2 - 4x - 24$$