

Name: _____

This quiz covers: P.5, P.6, and P.7.

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

1.) Solve for x :

$$\frac{2x + 1}{9} = \frac{x + 4}{6} + 1$$

2.) Factor completely:

$$(4x - 1)^{\frac{1}{2}} - \frac{1}{3}(4 - 1)^{\frac{3}{2}}$$

3.) Simplify:

$$\frac{x + 5}{7} \div \frac{4x + 20}{9}$$