

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

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

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### Solving Rational Expressions

Solve each equation.

1)  $\frac{1}{c^2} = \frac{1}{4}$

6)  $\frac{1}{16r^2} = \frac{1}{8r^2} + \frac{1}{r}$

2)  $\frac{1}{x^2} = \frac{1}{9}$

7)  $\frac{1}{b} = \frac{4}{2b} - 10$

3)  $\frac{1}{h^2} = \frac{1}{4}$

8)  $\frac{1}{18k^2} = \frac{1}{9k^2} + \frac{1}{k}$

4)  $\frac{s-7}{4s^2} + \frac{8}{2s^2} = \frac{s+5}{2s^2}$

9)  $\frac{z+3}{16z^2} + \frac{2}{8z^2} = \frac{z+6}{8z^2}$

5)  $\frac{1}{24p^2} = \frac{1}{12p^2} + \frac{1}{p}$

10)  $\frac{1}{g} + \frac{9g+12}{g^2-10g} = \frac{6g-12}{g^2-10g}$

