

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

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

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### Dividing Rational Expressions

Simplify each expression.

1)  $\frac{7q}{q+11} \div \frac{7q}{8q+88}$

6)  $\frac{7y}{4} \div \frac{6}{10}$

2)  $\frac{7s^2}{6} \div \frac{8s}{2}$

7)  $\frac{9n^2}{10} \div \frac{6n}{11}$

3)  $\frac{b^2+18b+72}{b^2+13b+42} \div \frac{1}{b+7}$

8)  $\frac{5p}{p+7} \div \frac{5p}{3p+21}$

4)  $\frac{c+9}{c+13c+36} \div \frac{10c}{c+3}$

9)  $\frac{10g}{11} \div \frac{6}{8}$

5)  $\frac{12r^2}{11} \div \frac{3r}{4}$

10)  $\frac{77d^2 - 43d - 72}{14d^2 - 46d + 36} \div \frac{d^2}{12d^2 d - 48}$

