

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

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

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### Simplifying Rational Expressions

Simplify each expression.

1)  $\frac{32r^9}{8r^4}$

6)  $\frac{8x - 16}{x - 2}$

2)  $\frac{3k + 3}{21}$

7)  $\frac{3c + 21}{21}$

3)  $\frac{6}{3g - 3}$

8)  $\frac{z^2 - 5z - 6}{z + 1}$

4)  $\frac{4d^2}{14d^8}$

9)  $\frac{b^2 - 8b + 12}{b^2 - 6b + 8}$

5)  $\frac{h - 7}{h^2 + 2h - 63}$

10)  $\frac{50}{10q + 40}$

