

Name : _____

Score : _____

Teacher : _____

Date : _____

Simplifying Rational Expressions

Simplify each expression.

1) $\frac{r - 4}{8r - 32}$

6) $\frac{60g^4}{50g}$

2) $\frac{36z^2}{24z^2}$

7) $\frac{28b^2}{56b}$

3) $\frac{h^2 + 4h - 21}{h - 3}$

8) $\frac{12n^2 + 40n - 63}{42n^2 - n - 56}$

4) $\frac{d - 9}{7d - 63}$

9) $\frac{5s - 20}{s - 4}$

5) $\frac{24y}{9y^4}$

10) $\frac{9x - 36}{18}$



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Simplifying Rational Expressions

Simplify each expression.

$$1) \frac{r - 4}{8r - 32}$$

$$\frac{1}{8}$$

$$2) \frac{36z^2}{24z^2}$$

$$\frac{3}{2}$$

$$3) \frac{h^2 + 4h - 21}{h - 3}$$

$$h + 7$$

$$4) \frac{d - 9}{7d - 63}$$

$$\frac{1}{7}$$

$$5) \frac{24y}{9y^4}$$

$$\frac{8}{3y^3}$$

$$6) \frac{60g^4}{50g}$$

$$\frac{6g^3}{5}$$

$$7) \frac{28b^2}{56b}$$

$$\frac{b}{2}$$

$$8) \frac{12n^2 + 40n - 63}{42n^2 - n - 56}$$

$$\frac{2n + 9}{7n + 8}$$

$$9) \frac{5s - 20}{s - 4}$$

$$5$$

$$10) \frac{9x - 36}{18}$$

$$\frac{x - 4}{2}$$

