

Name : _____ Score : _____

Teacher : _____ Date : _____

Multiplying Rational Expressions

Simplify each expression.

1) $\frac{5d(d-12)}{(d-12)(d-3)} \cdot \frac{d-3}{(d-2)(d-4)}$

6) $\frac{z^2+13z+40}{z+5} \cdot \frac{z+8}{10}$

2) $\frac{63p^2+63p}{70p^2+70p} \cdot \frac{2p}{2}$

7) $\frac{11(y+5)}{5} \cdot \frac{4y}{11(y+5)}$

3) $\frac{10}{12} \cdot \frac{4}{3}$

8) $\frac{9}{3} \cdot \frac{8}{7q}$

4) $\frac{11(r+12)}{12} \cdot \frac{10r}{11(r+12)}$

9) $\frac{12(s-4)}{(s-4)} \cdot \frac{11s}{12(s+3)}$

5) $\frac{2}{(x-8)} \cdot \frac{9x-54}{(x-6)}$

10) $\frac{7g(g-2)}{(g-2)(g+4)} \cdot \frac{g+4}{(g-11)(g-9)}$

