

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Multiplying Rational Expressions

Multiply. Write each answer in fully reduced form and keep the original denominator restrictions.

1. $\frac{15}{4} \times \frac{5}{12}$

2. $\frac{9x^6}{4x^6} \times \frac{x^6}{36}$

3. $\frac{9q+99}{q^2-2q-35} \times \frac{q-7}{9q+99}$

4. $\frac{(r-10)(r-9)}{r-9} \times \frac{11}{(r-12)(r-9)}$

5. $\frac{3n(n+3)}{(n+1)(n+3)} \times \frac{n+1}{(n-4)(n-5)}$

6. $\frac{4x^5}{3x^5} \times \frac{8}{8}$

7. $\frac{12(s-4)(s+2)}{(s+11)(s+2)} \times \frac{s+11}{(s-4)(s+1)}$

8. $\frac{-10}{8} \times \frac{4}{45y^6}$

9. $\frac{p^2+3p+2}{p+2} \times \frac{p+1}{7}$

10. $\frac{y^2-y-6}{y-3} \times \frac{y+2}{4}$
