

9-3 Rational Functions - Multiplying

Name: _____

Time> Start: _____ Finish: _____

Total Time = _____

Put your simplified answer in the blank.

_____ 1. $\frac{15}{7x} \cdot \frac{14x}{20}$

_____ 2. $\frac{-20}{3x^2} \cdot \frac{9x}{30}$

_____ 3. $\frac{15x-20}{10} \cdot \frac{10x-30}{6x-8}$

_____ 4. $\frac{4x+6}{5x^2+5x} \cdot \frac{5x}{6x+9}$

_____ 5. $\frac{2x+6}{3x+6} \cdot \frac{2x+4}{5x+15}$

_____ 6. $\frac{5x+25}{3x-3} \cdot \frac{2x-2}{2x+10}$

_____ 7. $\frac{x^2+8x+12}{5} \cdot \frac{10}{x+2}$

_____ 8. $\frac{x^2+6x+8}{2x+6} \cdot \frac{x+3}{x+2}$

_____ 9. $\frac{3x+9}{4x^2+12} \cdot \frac{2x^2+2x}{5x+5}$

_____ 10. $\frac{2x+4}{x+3} \cdot \frac{x^2+8x+15}{x^2+7x+10}$

_____ 11. $\frac{x^2+6x+8}{x^2+8x+12} \cdot \frac{x^2+7x+6}{x^2+5x+4}$

_____ 12. $\frac{x^2+12x+20}{x^2-3x-10} \cdot \frac{x^2+8x+15}{x^2+13x+30}$