

9-4 Rational Functions - Dividing

Name: _____

Time Start: _____ Finish: _____

Total Time = _____

Put your simplified answer in the blank.

_____ 1. $\frac{15}{7x} \div \frac{5}{14x}$

_____ 2. $\frac{-3}{5x^2} \div \frac{9}{5x}$

_____ 3. $\frac{3x-9}{10} \div \frac{3}{20}$

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

_____ 5. $\frac{x+2}{3x-3} \div \frac{2x+4}{3x-3}$

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

_____ 7. $\frac{x^2+8x+12}{5} \div \frac{2x+12}{15}$

_____ 8. $\frac{x^2+9x+20}{2x+4} \div \frac{x+5}{x+2}$

_____ 9. $\frac{3x}{x^2-6x+8} \div \frac{1}{x-4}$

_____ 10. $\frac{2x+4}{x+3} \div (x+2)$

_____ 11. $\frac{x^2+7x+10}{x^2+5x+4} \div \frac{x^2+9x+14}{x^2+8x+7}$

_____ 12. $\frac{2x^2+13x+15}{10x^2+27x+5} \div \frac{2x+3}{10x+2}$