

College Prep Algebra
Algebraic Fractions

NAME _____
HOUR _____ DUE DATE _____

1.) $\frac{12y^2 - 3y}{3y}$

2.) $\frac{6 - 2x}{x^2 - 3x}$

3.) $\frac{x^2 - 7x + 12}{x^2 - 9x + 20}$

4.) $\frac{x^2 - xy - 2y^2}{x^2 - 3xy + 2y^2}$

5.) $\frac{4x^2 - 8x + 4}{8x^2 - 8}$

6.) $\frac{3x^2 + 10x - 8}{8 - 14x + 3x^2}$

7.) $\frac{3x - 15}{4x^2 - 2x} \cdot \frac{20x^2 - 10x}{15x - 75}$

8.) $\frac{x^2y^3}{x^2 - 4x - 5} \cdot \frac{2x^2 - 13x + 15}{x^4y^3}$

9.) $\frac{x^2 + x - 6}{12 + x - x^2} \cdot \frac{x^2 + x - 20}{x^2 - 4x + 4}$

10.) $\frac{2x^2 - 5x - 12}{x^2 - 10x + 24} \cdot \frac{x^2 - 9x + 18}{4x^2 - 9}$

11.) $\frac{x^2 - 8x + 15}{x^2 + 2x - 35} \div \frac{x^2 + 2x - 15}{x^2 + 9x + 14}$

12.) $\frac{2x^2 - 2y^2}{14x^2y^4} \div \frac{x^2 + 2xy + y^2}{35xy^3}$

13.) $\frac{x^2 - 10x + 24}{x^2 - 36} \cdot \frac{x^2 + 8x + 12}{8 + 2x - x^2}$

14.) $\frac{2x - 6}{6x^2 - 15x} \div \frac{4x^2 - 12x}{18x^3 - 45x^2}$

15.) $\frac{x^2 - 9}{x^2 - x - 6} \div \frac{2x^2 + x - 15}{x^2 + 7x + 10} \cdot \frac{2x^2 - x - 10}{x^2 - 25}$