

Name:

Period:

7.3 Fraction Decomposition

Directions: Write the partial fraction decomposition of each rational expression

1. $\frac{x+2}{x^2}$

2. $\frac{5x-7}{x^2-3x+2}$

3. $\frac{2x-1}{x^2-x-2}$

4. $\frac{x+3}{x^2-1}$

5. $\frac{-2x+9}{x^2+x-6}$

6. $\frac{2x}{x^2-2x+1}$

7. $\frac{-x+1}{x^2+2x+1}$

8. $\frac{10x^2+9x-7}{(x+2)(x^2-1)}$

9. $\frac{2x-6}{(x-1)(x-2)^2}$

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