

DATE: _____

Partial Fractions

Find the partial fraction decomposition for each rational expression.

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

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

3. $\frac{x-16}{x^2+x-2}$

4. $\frac{-2x-14}{x^2+6x+8}$

5. $\frac{3x^2+2x+2}{(x^2+1)^2}$

6. $\frac{x^2-2x+1}{(x-2)^3}$