

7.3 Partial Fractions

Target 8G: Decompose rational expressions into partial fractions

*Review of Prior Concepts***Write the terms for partial fraction decomposition of:**

$$\frac{-x^2+2x-5}{(x+1)(x^2+6x+9)}$$

Partial Fraction DecompositionTo **decompose a fraction** – write one fraction as the sum/difference of 2 or more fractions.*More examples***Decompose each fraction.**

1.
$$\frac{-x^2+2x-5}{(x+1)(x^2+6x+9)}$$

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