



Partial Fractions - Tutoring Sheet #3

Express the following as a sum of partial fractions:

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

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

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

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

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

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

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

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

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