

Use partial fraction review on each of the following problems.

1.  $\int \frac{(x+4)dx}{x^2-x-6}$

2.  $\int \frac{(x^2+3x-7)dx}{x^3+3x^2+4x+2}$

3.  $\int \frac{ds}{s^2(s^2+1)}$

4.  $\int \frac{(x^2-4x-1)dx}{x^3-x}$

5.  $\int \frac{4x^3-x^2+5x+2}{x^4+2x^3+x^2}$

6.  $\int \frac{x^3+x-1}{x^2-x}dx$