

### Partial Integration Quiz

1.  $\int \frac{dx}{x^2-5x+6}$

2.  $\int \frac{5x^2+20x+6}{x^3+2x^2+x} dx$

3.  $\int \frac{5x-1}{x^3+x^2} dx$

4.  $\int \frac{2x^3-4x-8}{(x^2-x)(x^2+4)} dx$

5.  $\int \frac{x^2+x+3}{x^4+6x^2+9} dx$

6.  $\int \frac{5x^2-12x-12}{x^3-4x} dx$