Quiz 2	Name:	
Integration Techniques II		
Math 408D:		

Problem 1. Evaluate the following indefinite integrals:

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

$$\int \frac{x-3}{x+2} dx$$

Problem 2. Show how you would write the partial fraction decomposition of $f(x) = \frac{1}{(x-1)^n}$, where n is an integer. You do not need to evaluate the integral or even find any constants.