TECHNIQUES OF INTEGRATION : PARTIAL FRACTION

NAME: ----------

Match with the correct partial fraction decomposition

$$\int \frac{dx}{x^2-9}$$

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

$$\int \frac{x\,dx}{(x-2)^2}$$

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

$$\int \frac{A}{x}+\frac{B}{x^2}+\frac{C}{x+1}dx$$

$$\int \frac{A}{x-2}+\frac{B}{(x-2)^2}dx$$

$$\int \frac{A}{x}+\frac{B}{x+2}+\frac{C}{x-1}dx$$

$$\int \frac{A}{x+3}+\frac{B}{x-3}dx$$

LIVEWORKSHEETS