

Name: _____

Find $\int (x^2 - x)(x^3 - 1.5x^2)^8 dx$

$$= \int \frac{u^8 du}{3}$$

$$= \frac{u^9}{27} + C$$

$$= \frac{1}{27} (x^3 - 1.5x^2)^9 + C$$

$$u = x^3 - 1.5x^2$$

$$du = (3x^2 - 3x) dx$$

$$\frac{du}{3} = (x^2 - x) dx$$