

Evaluate the following

$$\frac{\partial z}{\partial x}; z = 3x^2y^2 - 2x^6k^3$$

a.

$$\frac{\partial z}{\partial x} = 6xy^2 + 6yx^2 - 12x^5k^3 + 6k^2x^6$$

b.

$$\frac{\partial z}{\partial x} = 6xy^2 - 12x^5k^3$$

c.

$$\frac{\partial z}{\partial x} = xy^2 - 12x^5k^3 + 6k^2x^6$$

d.

$$\frac{\partial z}{\partial x} = 3x^2y - 2x^6k^3$$