

Derivadas

Selecciona la respuesta correcta:

1. Derive: $y = (3x - 4)^4$

A. $y' = 4(3x - 4)^3$

B. $y' = 12(3x - 4)^3$

2. Derive: $y = \frac{1}{\sqrt{x+2}}$

A. $y' = -\frac{1}{2\sqrt{(x+2)^3}}$

B. $y' = \frac{1}{2\sqrt{(x+2)^3}}$

3. Derive: $y = \sqrt[4]{x^3 + 7}$

A. $\frac{3x^2}{4\sqrt[4]{(x^3 + 7)^3}}$

B. $\frac{3x^2}{\sqrt[4]{(x^3 + 7)^3}}$

4. Derive: $y = (x^3 - 2)^{\frac{4}{3}}$

A. $y' = \frac{4x^2 \sqrt[3]{x^3 - 2}}{3}$

B. $y' = 4x^2 \sqrt[3]{x^3 - 2}$

5. Derive: $y = \sqrt[5]{x(6 - x^2)}$

A. $\frac{6 - 3x^2}{5\sqrt[5]{(6x - x^3)^4}}$

B. $\frac{6 - 3x^2}{\sqrt[5]{(6x - x^3)^4}}$