

Calculus - Blizzard Bag #2

Derivatives

Calculate y' . Write the solutions on a separate sheet of paper.

1. $y = (x^4 - 3x^2 + 5)^3$

2. $y = \sqrt{x} + \frac{1}{\sqrt[3]{x^4}}$

3. $y = 2x\sqrt{x^2 + 1}$

4. $y = \frac{t}{1-t^2}$

5. $y = \tan \sqrt{1-x}$

6. $\sin(xy) = x^2 - y$