

Algebraic Properties of Derivatives

Evaluate the following derivatives using the forms and properties discovered in the lessons.

1. $f(x) = 3x^3 + 5x + 7$. $f'(x) =$

2. $p(\theta) = \tan \theta$. $p'(\theta) =$

3. $q(\theta) = \cot \theta$. $q'(\theta) =$

4. $r(\theta) = \sec \theta$. $r'(\theta) =$

5. $s(\theta) = \csc \theta$. $s'(\theta) =$

6. $g(x) = e^x + \ln x$. $g'(x) =$