

Student ID		

Last Name: _____

First Name: _____

Show all your work.
If necessary, use extra sheets.

When appropriate,
BOX your final answer.

MA1
Homework

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1. Find the slope of $f(x) = 3x^2 + x - 2$ at $x = 0$.

2. Find the slope of $f(x) = x^4$ at $x = 1$.

3. Find the slope of $f(x) = \sqrt{2x}$ at $x = 4$.

4. Find the slope of $f(x) = \frac{1}{x-3}$ at $x = 5$.

5. Find the slope of $f(x) = \frac{1}{\sqrt{x+2}}$ at $x = 0$.