

Student ID		

Last Name: _____

First Name: _____

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

When appropriate,
BOX your final answer.

MA1
Homework

12

1. If $f(x) = x^3 - 6x + 5$, find $f'(0)$ using
- (a) the definition of the derivative
 - (b) the alternate definition of the derivative
 - (c) the symmetric derivative

2. If $f(x) = \frac{2}{\sqrt{x}}$, find $f'(4)$ using
- (a) the definition of the derivative
 - (b) the alternate definition of the derivative
 - (c) the symmetric derivative