

DAILY 2
APPLIED CALCULUS
DUE 2012-08-24

Show your work! Note homework is due by the **beginning** of class.

- (1) Use the slope formula $m = \frac{y_2 - y_1}{x_2 - x_1}$, and a calculator, to find the average slope of $y = x^2$:
 - (a) from $x_1 = 2$ to $x_2 = 3$;
 - (b) from $x_1 = 2$ to $x_2 = 2.5$;
 - (c) from $x_1 = 2$ to $x_2 = 2.25$.
- (2) **11** book problems: #4.1.19–26 (8 problems), #4.2.9 (1 problem), #4.3.60, 61 (2 problems). For #4.1.20–26 and #4.3.60, be sure to explain how you matched the graphs *without* using a graphing calculator.