SHEET #~~1XXX~~ #121 NAME: PERIOD:

TI-83/84 SKILLS

- **RESET DEFAULTS** [2nd][MEM +] 722 → WHAT DOES YOUR SCREEN SAY?

- **ZERO, DERIVATIVE, INTEGRAL**

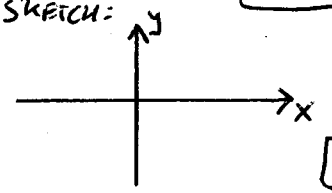
[Y=]

$y_1 = -x^2 + 3$

$y_2 = 2x$

[ZOOM] 4: ZDecimal

SKETCH:



[2nd][CALC TRACE]

Zeros for y_1: X= _____ [2nd][CALC] 2: zero

MAXIMUM for y_1: X= ___ Y= _____ [2nd][CALC] 4: maximum

RIGHT INTERSECTION y_1 & y_2: _____ [2nd][CALC] 5: intersect

DERIVATIVE (AT A POINT) SLOPE OF y_1 at X=1 = _____ [2nd][calc] 6: dy/dx

INTEGRAL (DEFINITE) Area under y_1 from 0 to 1 = _____ [2nd][calc] 7: $\int f(x)dx$

- **WINDOWING**

$y_1 = x(100-x)(200-x)$

[WINDOW]

Xmin = ___ Ymin = ___

Xmax = ___ Ymax = ___

Xscl = ___ Yscl = ___

Xres = ___

GRAPH SHOWING ZEROS, MAX & MIN.

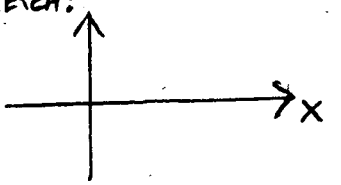
Zeros: _____

MAX: X= _____ Y= _____

MIN: X= _____ Y= _____

Average of MAX & MIN X VALUES: _____

SKETCH:



- Reset Defaults again!