

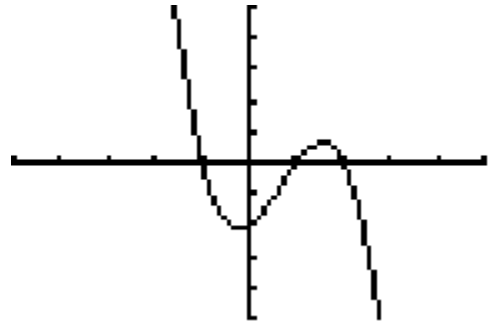
MONTGOMERY COLLEGE
Department of Mathematics
Rockville Campus

MA 103 KATIRAIE QUIZ #5 Form A SECTIONS (5.2 - 5.4) FALL 2007

NAME _____ SCORE: ____ / 20
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1) Given the following graph of $f(x)$ find the following:

a) Estimate the x value(s) so that $f(x) = 0$



b) Estimate $f(-1.5)$

c) Estimate $f(0.5)$

2) Multiply the following expressions (and simplify)

a) $(2x-3)(2-3x)$

b) $(x-3)^2$

c) $(3-2x)(3+2x)$

d) $(y+3)(y-4)$

3) Factor the following:

a) $25x^2y + 10xy - 15x^2y^2$

b) $6x^3 - 4x^2 + 9x - 6$

c) $2x^2 + 7x + 3$

d) $6y^2 + 6y - 36$

4) Solve the following algebraically:

a) $2x^4 - 4x^3 = 0$

b) $7x^2 = 9x$