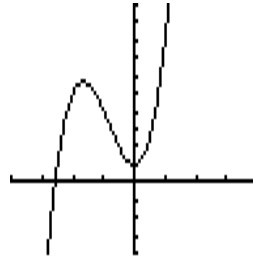


MONTGOMERY COLLEGE
Department of Mathematics
Rockville Campus

MA 103 KATIRAIE QUIZ #5 Form A SECTIONS (5.1 - 5.4) FALL 2006

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



- a) Estimate $f(-1)$
b) Estimate $f(1)$
c) Estimate the x value so that $f(x) = 0$

- 2) Multiply the following expressions (and simplify)

a) $(4x - 3)(4 - 9x)$

b) $(2x + 3)^2$

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

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

3) Factor the following:

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

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

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

d) $5y^2 + 5y - 30$

4) Solve the following algebraically:

a) $32x^4 - 16x^3 = 0$

b) $2x^2 = 7x$