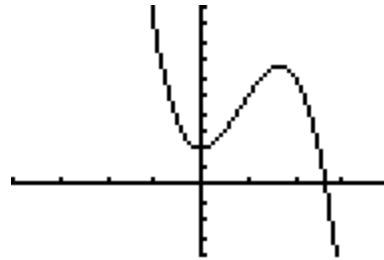


MONTGOMERY COLLEGE
Department of Mathematics
Rockville Campus

MA 103 KATIRAIE QUIZ #5 Form B 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 $f(2)$

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

2) Multiply the following expressions (and simplify)

a) $(5x - 3)(4 - 3x)$

b) $(5x + 2)^2$

c) $(4 - 3x)(4 + 3x)$

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

3) Factor the following:

a) $8x^2y + 16xy - 4x^2y^2$

b) $x^3 - 7x^2 - 3x + 21$

c) $y^2 - 17y + 72$

d) $2y^2 + 12y + 16$

4) Solve the following algebraically:

a) $5x^4 - 30x^3 = 0$

b) $15x^2 = 10x$