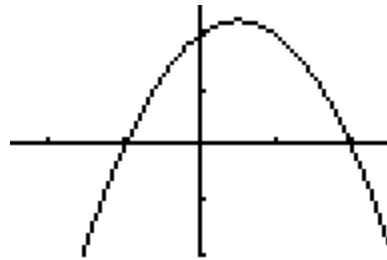


MONTGOMERY COLLEGE
Department of Mathematics
Rockville Campus

MA 103 KATIRAIE QUIZ #5 Form A SECTIONS (5.1 - 5.4) Spring 07

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



a) Estimate $f(1)$

b) Estimate $f(-0.5)$

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

2) Multiply the following expressions (and simplify)

a) $4(x^4 - 1) - (4x^4 + 3x + 7)$

b) $(3x - 5)^2$

c) $3x(x+1)(x-1)$

d) $(2r - 4t)(3r^2 + r t - t^2)$

3) Factor the following:

a) $-9n^4 - 6n^2 - 3n$

b) $x^3 + 3x^2 + 2x + 6$

c) $10x^2 + 13x - 3$

d) $2y^3 - 14y^2 + 20y$

4) Solve the following algebraically:

a) $5y^2 + 5y - 30 = 0$

b) $32x^4 = 16x^3$