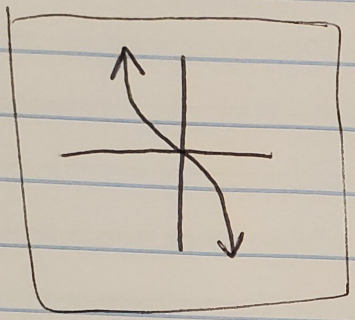
Math 418

Oct. 1

Quiz 3

1. sketch $f(x) = -3x^{11}$



2.

$$\frac{4 = A(2)^B}{-\frac{1}{2} = A(-1)^B} = \qquad B = 3$$

$$4 = A8$$

$$4 = A(2^3)$$

$$f(x) = \tfrac{1}{2}x^3$$

~~$-8 = +2^B$~~

3. Solve $x^6 - 5x^3 - 14 = 0$

$w^2 - 5w - 14 = 0$

$(w-7)(w+2) = 0$

$w = -2, 7$

$x^3 = -2, 7$

$x = \sqrt[3]{-2}, \sqrt[3]{7}$

4.