Alg 2
Function Families Unit
Parent Functions Practice 1

Name: _____

Hour:_____

Name the family from which the given equation came.

1. $f(x) = 5(x+2)^2$

2. $f(x) = -2x + 7$

3. $f(x) = \frac{1}{2}|x| - 3$

4. $f(x) = x^2 + 6x - 2$

5. $f(x) = |3x + 9|$

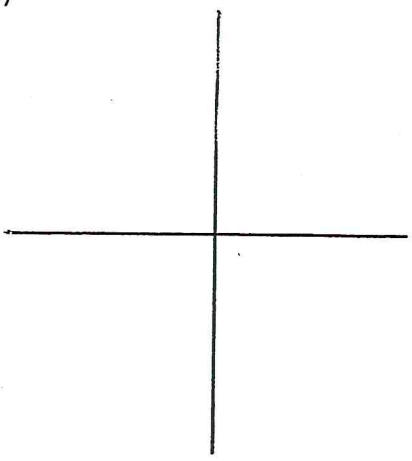
6. $f(x) = 5x - 9$

For each family, a) give the parent function (equation)
b) sketch a graph of the parent fcn

7. linear

a)

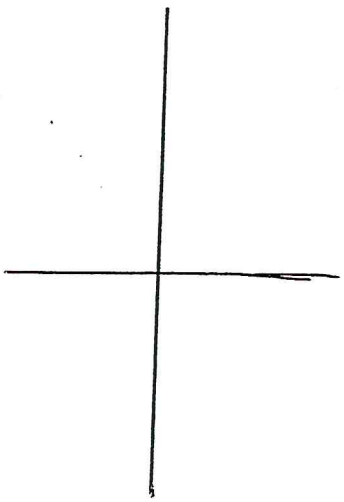
b)



8. polynomial even

a)

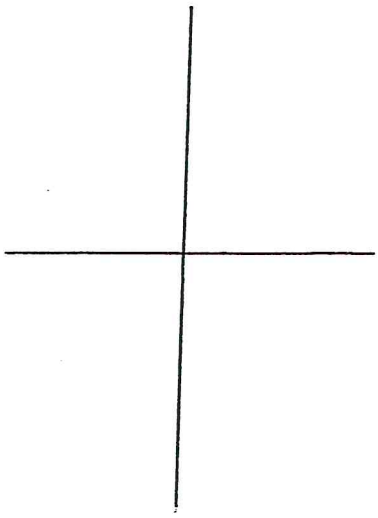
b)



9. absolute value

a)

b)



PLUS: SLOT Practice (put on back) Factor ① $3x^2 - 13x + 4$ ② $2x^2 + 7x +$