Practice Test

1. Given the polynomial $5x^2 + 6x^4 + 7$	4. Given the polynomial $3 \cdot 4 - 2x^3$
Standard Form:	Standard Form:
Degree:	Degree:
Number of Terms:	
Leading Coefficient:	Leading Coefficient:
Constant:	Constant:
End Behavior:	End Behavior:
Sketch:	Sketch:
2. Given the polynomial 9 – x Standard Form: Degree:	5. Write a polynomial in standard form that ha a degree of three, two terms, a constant of six and a leading coefficient of negative two.
Number of Terms:	
Leading Coefficient:	
Constant:	6. Given the function $f(x) = -x^4 + 3x^2 + 6$
End Behavior:	f(3) =
	f(-2) =
Sketch:	$f(\frac{1}{3}) = \underline{\hspace{1cm}}$
	7. Given the function $g(x) = 6 - x^3 + 0.75x$ g(4) =
3. Given the polynomial $2^6 - x^2 + 4x^5$	g(-3) =
Standard Form:	g(%) =
Degree:	8. Give three example numbers in the interval 4>x<7 or write none.
Number of Terms:	
Leading Coefficient:	
Constant:	9. Give three example numbers in the interval -9
End Behavior:	
Sketch:	

10. Given the graph of h(x)

$$h(5) = _____$$

$$h(2) = _____$$

Use inequality notation to describe where the graph is positive:

Use inequality notation to describe where the graph is increasing:

11. Given the table below, plot the points and connect the dots to reveal the graph.

x	f(x)
4	2
-1	2
-3	4
0	-3
-2	-3

12. Write a linear function f(x) that represents the graph below.





