Algebra 2 Worksheet #1 Lesson 3.7

Name			

Block _____ Date _____

Identify the leading coefficient, degree, and end behavior of each function.

1. $f(x) = x^2 - 2$

Degree:

End behavior:

2.	f(x) =	x ³ -	x ² +	3
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Leading coefficient:

Degree:

End behavior:

3. $f(x) = -x^4 + 3x^2 + x + 2$

4. $f(x) = -x^5 + 4x - 2$

Leading coefficient:

Leading coefficient:

Degree:

End behavior:

Leading coefficient:

Degree:

End behavior:

Identify whether the function graphed as an odd or even degree and a positive or negative leading coefficient.



Factor each polynomial, then graph the function.

7. $x^3 - x^2 - 12x = 0$





