Algebra 2

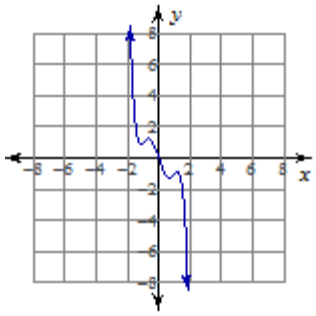
Name _____

Lesson 3.7 Worksheet

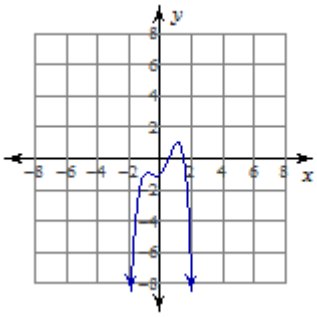
Block ____ Date _____

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

1)

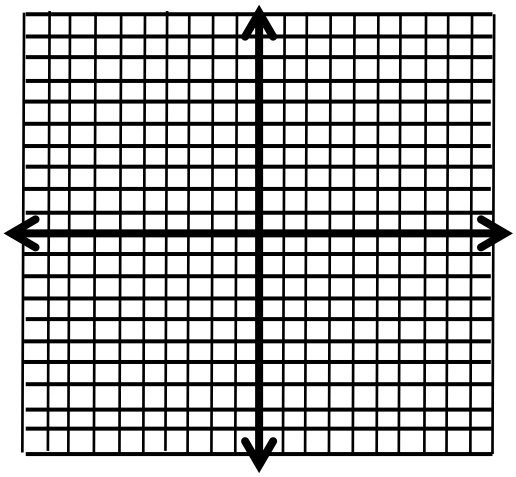


2)

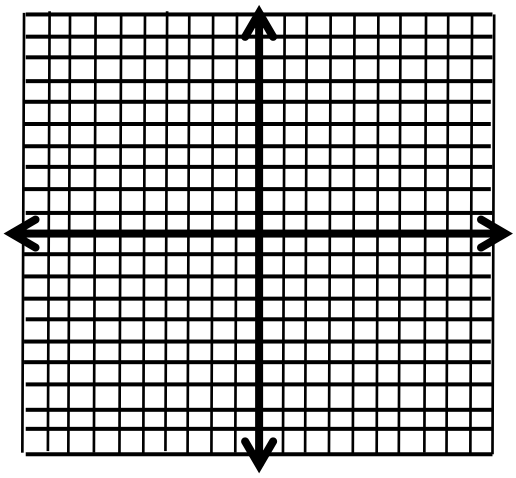


Factor each polynomial, then graph the function.

3) $x^3 - 2x^2 - 4x + 8 = 0$



4) $x^3 - x^2 - 12x = 0$



Find the minimum(s) and maximum(s) of each function.

5) $f(x) = -x^3 + 3x^2$

Minimum = _____

Maximum = _____

6) $f(x) = x^3 - 3x^2 + 5$

Minimum = _____

Maximum = _____