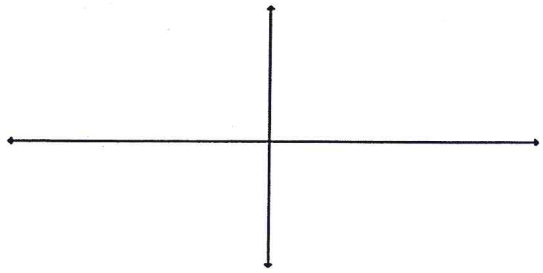
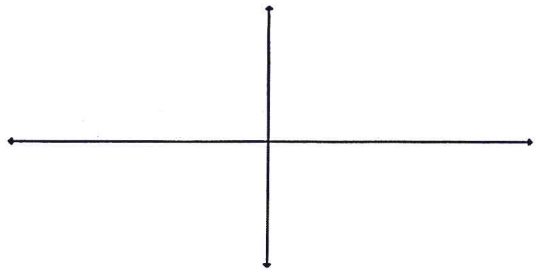
Bellwork Alg 2A Tuesday, April 11, 2017

1. Sketch each function.

a) $y = -x(4-x)^3(x+3)^2(x+1)^2$

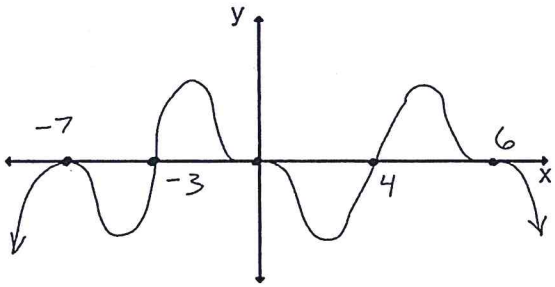


b) $y = x^2(x+6)^2(7-x)^3(x+3)^2$

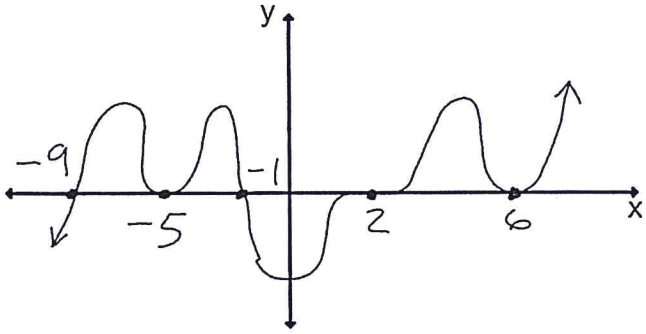


2. Write a possible equation for each polynomial shown below.

a)



b)



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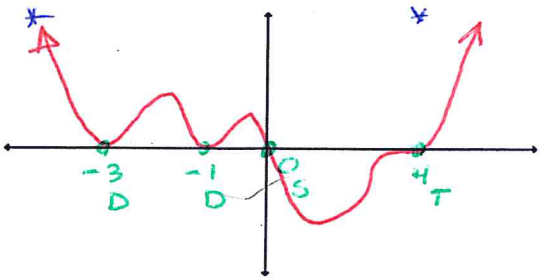
Answers

1. Sketch each function.

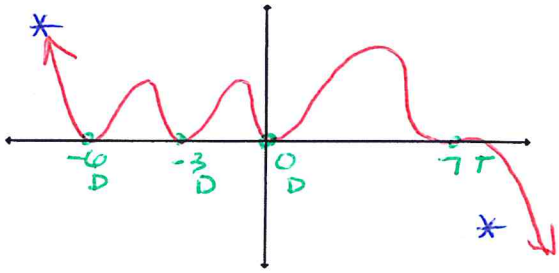
a) $y = -x(4-x)^3(x+3)^2(x+1)^2$

pos Even (↑,↑)



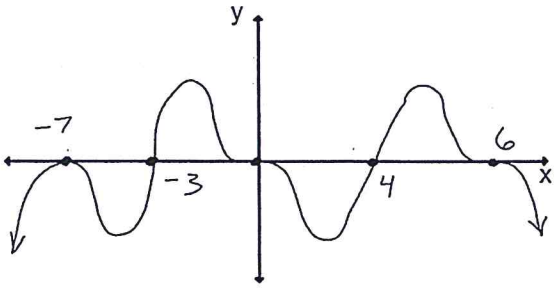
b) $y = x^2(x+6)^2(7-x)^3(x+3)^2$

Neg ODD (↖,↘)



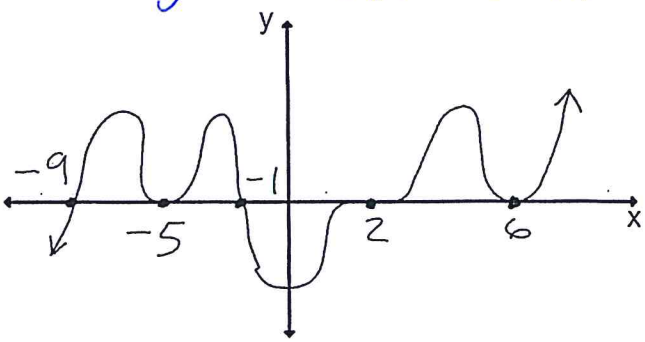
2. Write a possible equation for each polynomial shown below.

a) $y = -x^3(x+7)^2(x+3)(x-4)(x-6)^3$



Neg Even

b) $y = (x+9)(x+5)^2(x+1)(x-2)^3(x-6)^2$



POS ODD