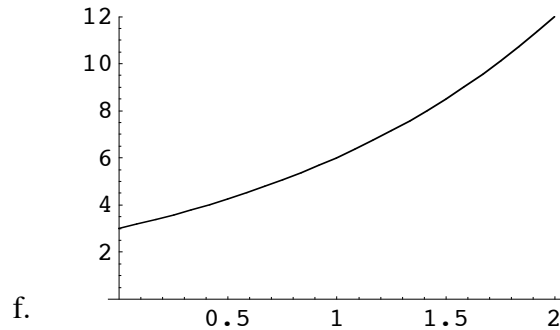
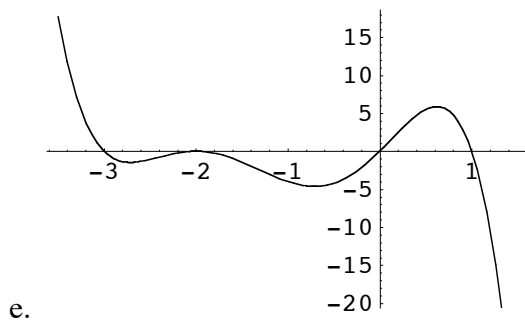
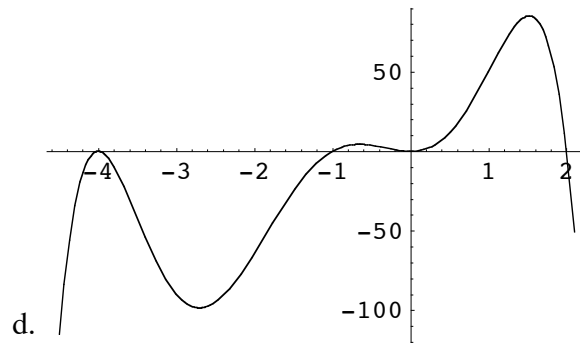
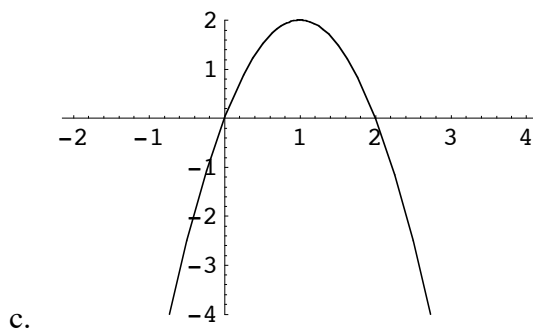
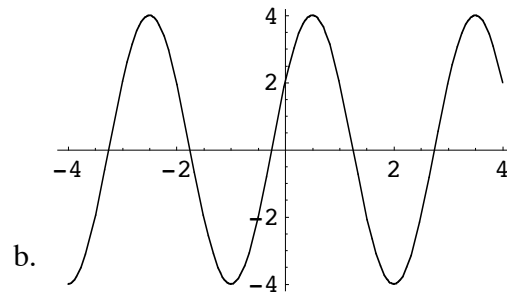
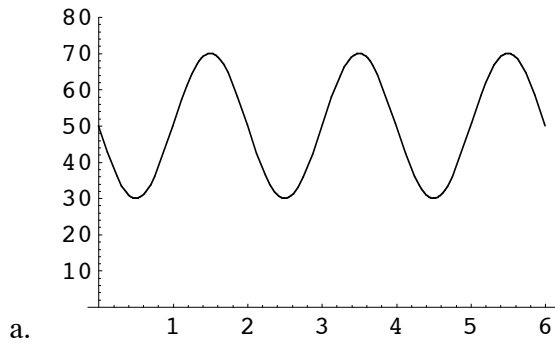


**Calculus I**  
**Extra Homework Set 1**  
**Marcus McGuff**

*Extra homework problems on Chapter 1 graphs*

Give a possible equation for each of the following:



*Solutions*

a.  $y - 50 = -20 \sin(\pi x)$

b.  $y = -4 \cos\left(\frac{2\pi}{3}(x - 2)\right)$

c.  $y - 2 = -2(x - 1)^2$

d.  $y = -x^2(x - 2)(x + 1)(x + 4)^2$

e.  $y = -x(x - 1)(x + 2)^2(x + 3)$

f.  $y = 3(2^x)$