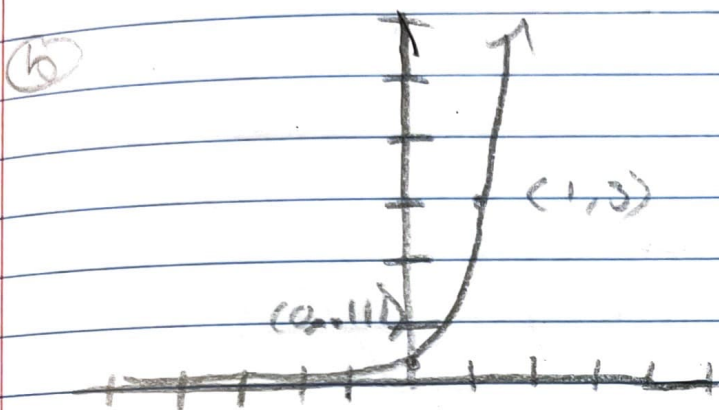
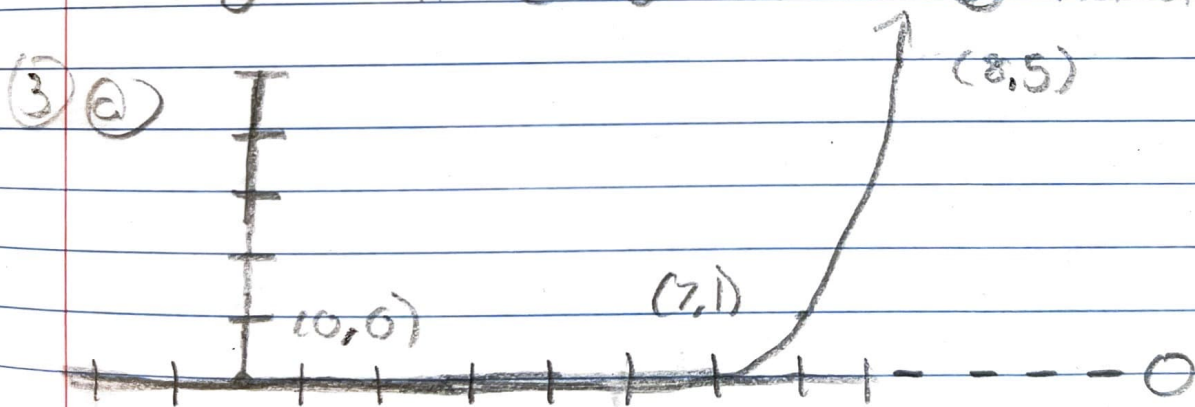


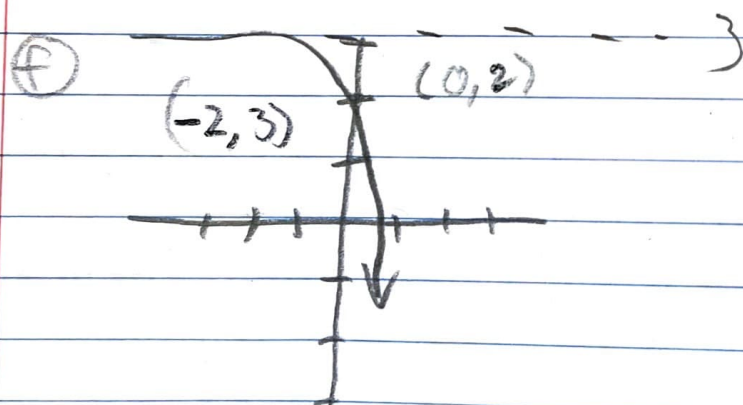
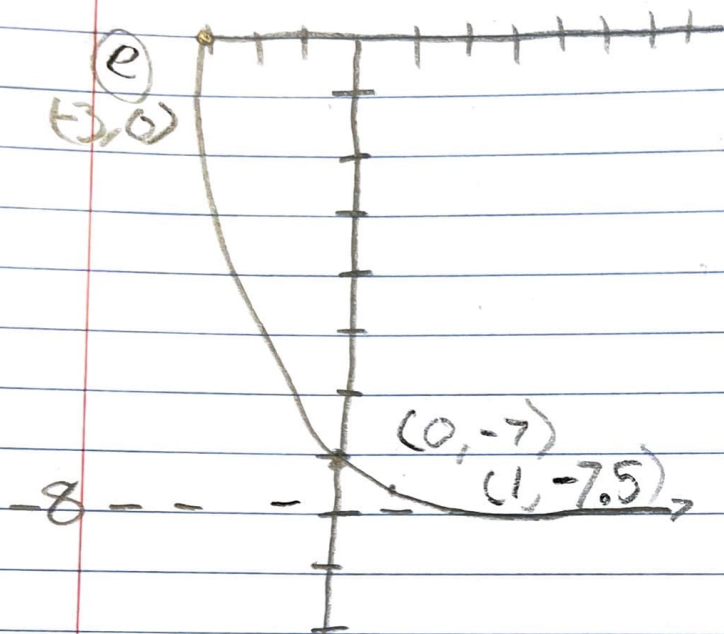
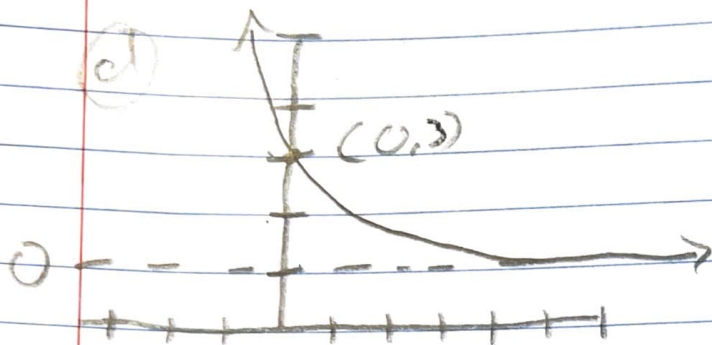
3.8

- (2) (a)  $3^{3x-2} = 3^{3(x-\frac{2}{3})}$  Because  $3x-2 = 3(x-\frac{2}{3})$ .  
 $3^{3(x-\frac{2}{3})} = 27^{x-\frac{2}{3}}$  Because we are applying the 3 exponential.  $27^{x-\frac{2}{3}} = \frac{1}{27}(27)^x$   
 Because  $-\frac{2}{3}$  exponent multiplies 3 to the base.

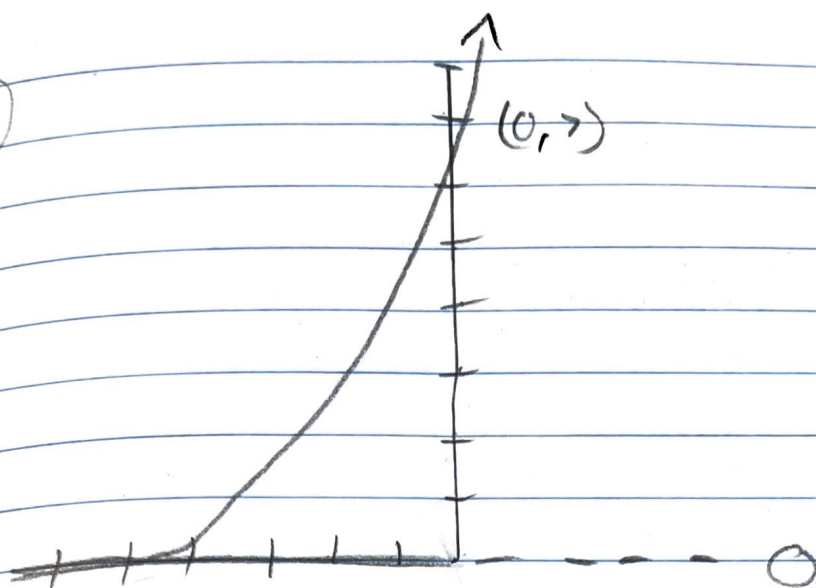


- (c) I used the first one ( $3^{3x-2}$ ) because I could plug it into a calculator. Doesn't say I have to do it by hand.

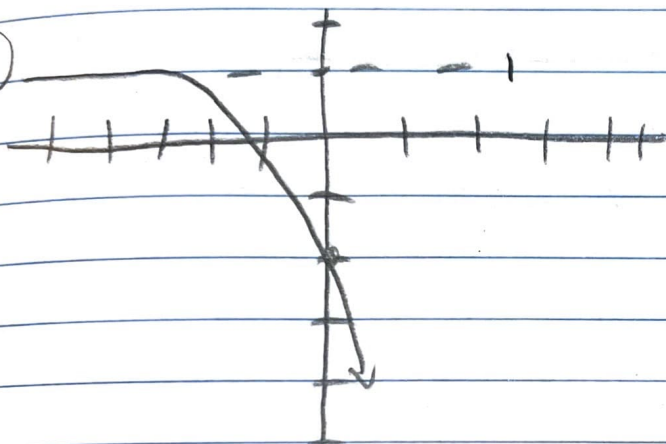




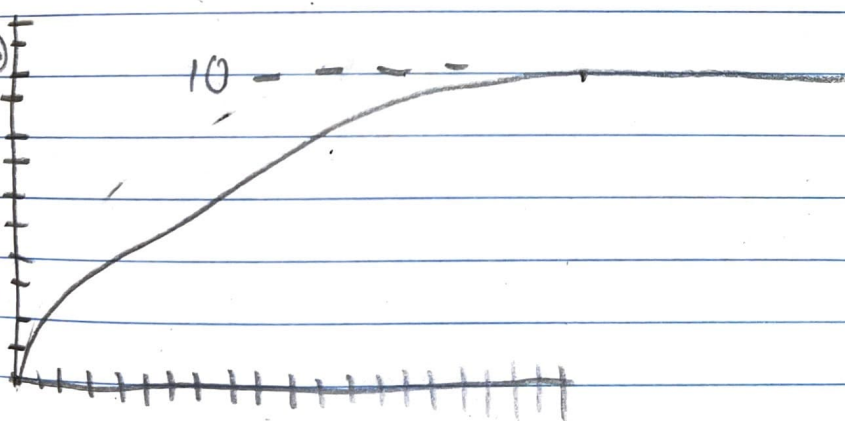
(h)



(i)



(4)



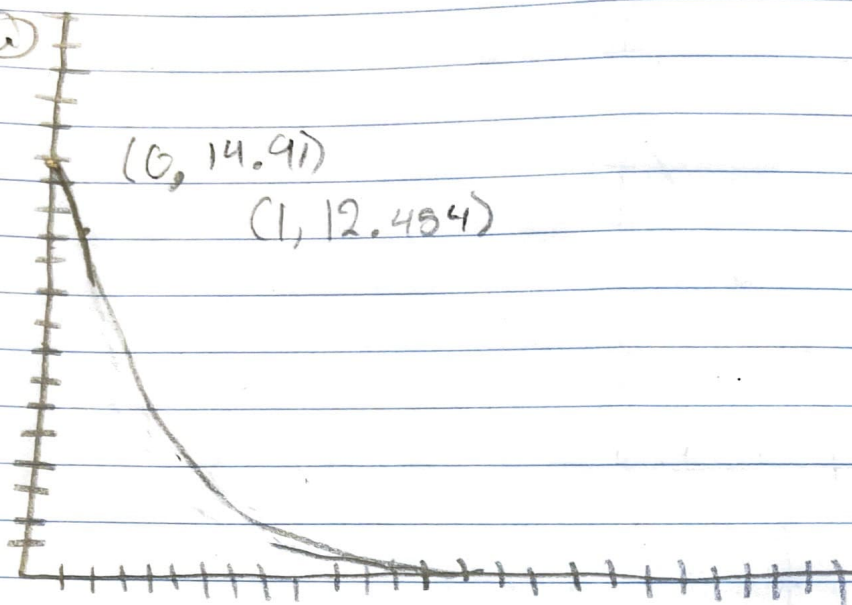
(b) 0

(c) 8.647

(d) 10



56



b) 14.91

c) 7.257

d) 6.07