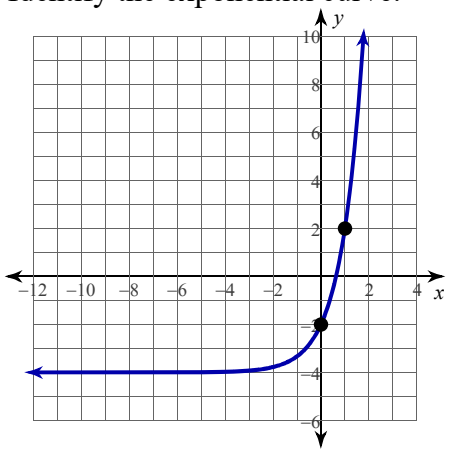
Algebra 1 Name_____

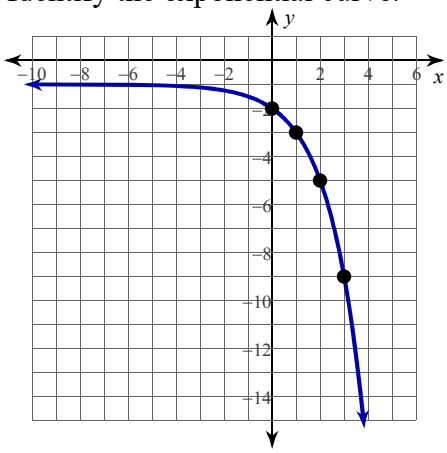
Week Twenty-Seven Extra Credit

Date_____ Period____

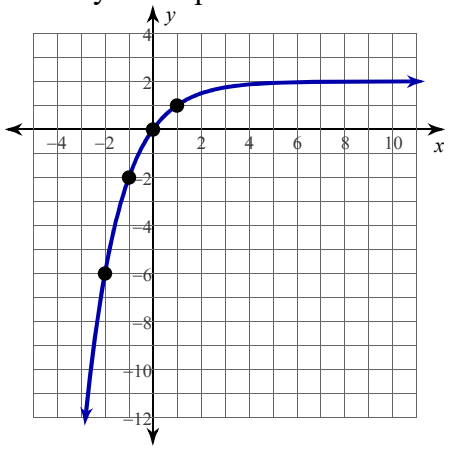
1) Give the Formula and Identify the exponential curve.



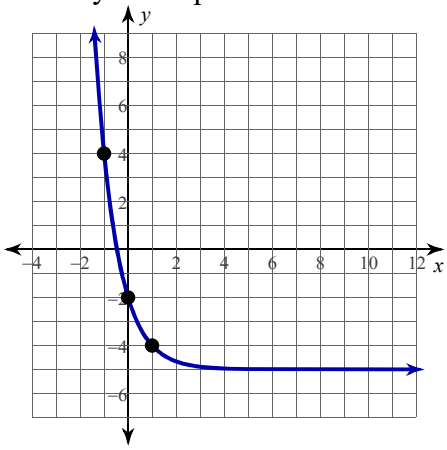
2) Give the Formula and Identify the exponential curve.



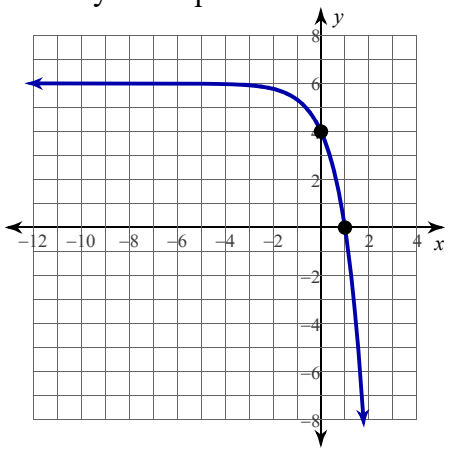
3) Give the Formula and Identify the exponential curve.



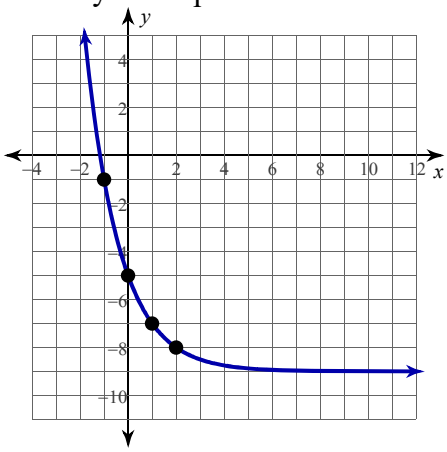
4) Give the Formula and Identify the exponential curve.



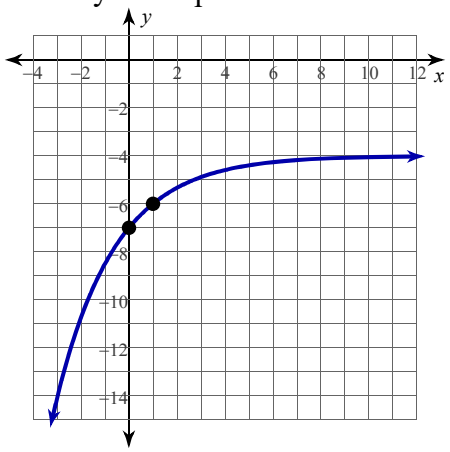
5) Give the Formula and Identify the exponential curve.



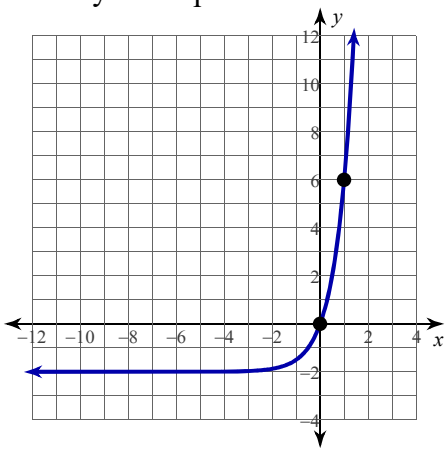
6) Give the Formula and Identify the exponential curve.



7) Give the Formula and
Identify the exponential curve.



8) Give the Formula and
Identify the exponential curve.



Solve each equation for both solutions.

9) $-7\left|x-2\right|-10=-24$

10) $2\left|\frac{x}{9}\right|+5=13$

11) $x^2+13x+28=-2$

12) $x^2-4x-38=7$

Solve each after isolating the bracket.

13) $5\sqrt{x-2}+11=45$

14) $24=3\sqrt{2x+68}+6$

Solve each exponential equation.

15) $4.5\cdot 3^x+16.8=381.3$

16) $-2.7\cdot 2^x-122.5=-468.1$

Solve each equation for 'x.'

17) $8(3x+10)-17=6x-41$

18) $3.4(2.1x+16.4)-5.23=194.54$

19) $\frac{18.5}{5}=\frac{6x}{3x-2.4}$

20) $\frac{13x}{8}=\frac{2x-4.1}{7}$