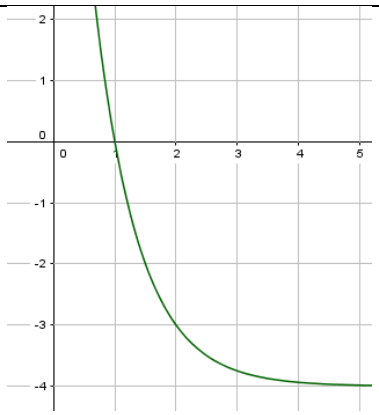
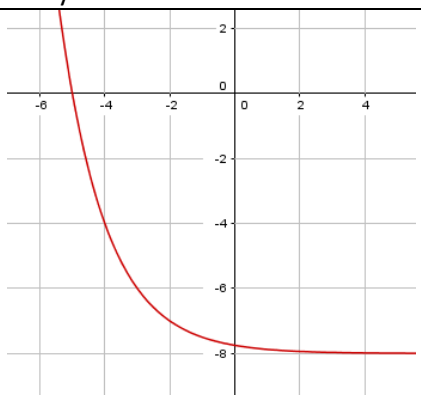
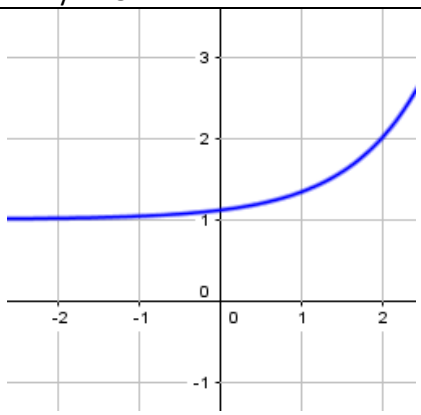
VD unit 3 topic 1

Graph f(x),

1. describe the transformations between f(x) and its parent function

2. find x, y intercepts if possible.

1. $f(x)=\left(\frac{1}{4}\right)^{x-2}-4$	 x-int: (1, 0) y-int: (0, 12) HA: y = -4
2. $f(x)=\left(\frac{1}{2}\right)^{x+2}-8$	 x-int: (-5, 0) y-int: (0, -31/4) HA: y = - 8
3. $f(x)=3^{x-2}+1$	 x-int: none y-int: (0, 10/9) HA: y = 1

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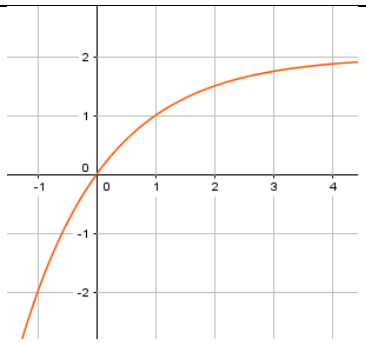
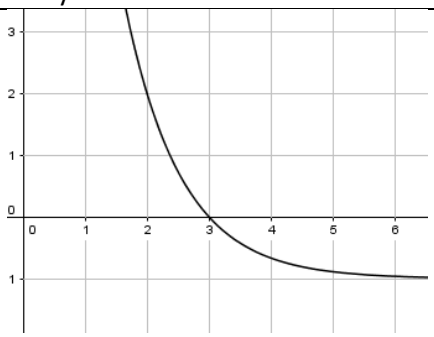
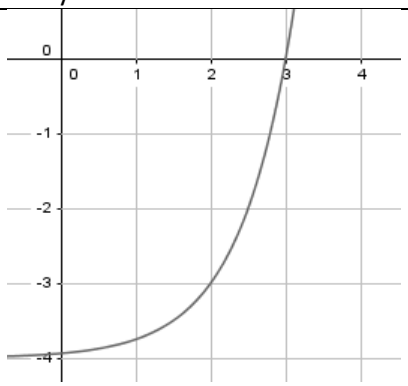
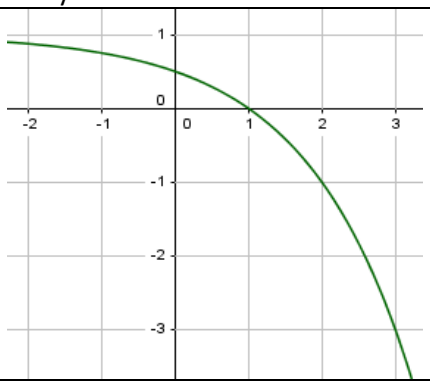
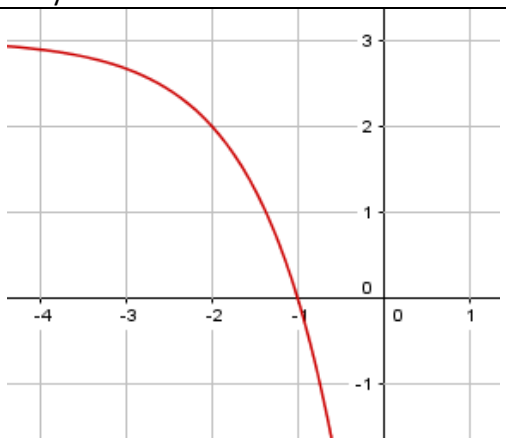
4. $f(x)=-\left(\frac{1}{2}\right)^{x-1}+2$	 x-int: (0,0) y-int: (0,0) HA: y = 2
5. $f(x)=\left(\frac{1}{3}\right)^{x-3}-1$	 x-int: (3, 0) y-int: (0, 26) HA: y = -1
6. $f(x)=4^{x-2}-4$	 x-int: (3, 0) y-int: (0, -63/16) HA: y = - 4
7. $f(x)=-2^{x-1}+1$	

	x-int: (1,0) y-int: (0, ½) HA:y =1
8. $f(x) = -3^{x+2} + 3$	 x-int(-1, 0) y-int (0, -6) HA: y = 3