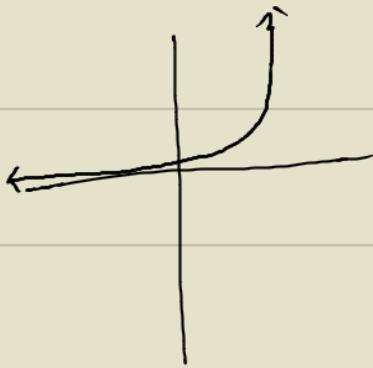


4. $f(x) = 3^x$

x	y
-2	$3^{-2} = \frac{1}{3^2} = \frac{1}{9}$
-1	$3^{-1} = \frac{1}{3^1} = \frac{1}{3}$
0	$3^0 = 1$
1	$3^1 = 3$
2	$3^2 = 9$



5. $f(x) = 2^{x-3} + 1$



6. $f(x) = 3^{-\frac{1}{2}x^3}$



7. $S(t) = 30(1.143)^t$

a) $t = 5$

$$S(5) = 30(1.143)^5$$

$$= 58.53$$

b) $t = 15$

$$S(15) = 30(1.143)^{15}$$

$$= 222.75$$