

Card Sort: Exponential Functions

Card Set A: Equations

$$y = 2^x + 1$$

$$y = 2^x - 3$$

$$y = 4^x + 1$$

$$y = 4^x - 2$$

$$y = 3^{x-1}$$

$$y = 3^{x+2}$$

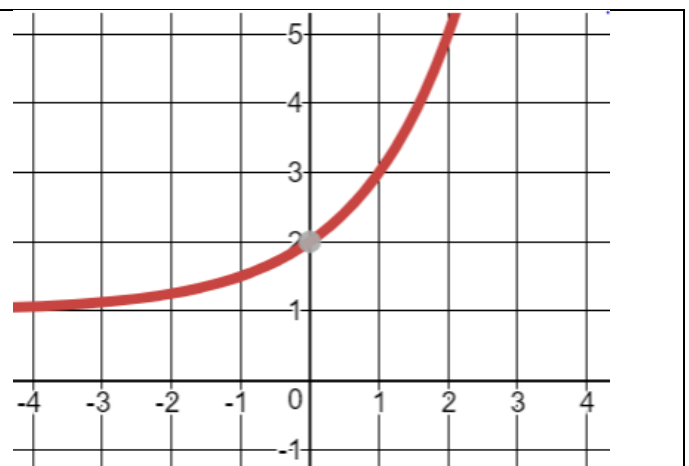
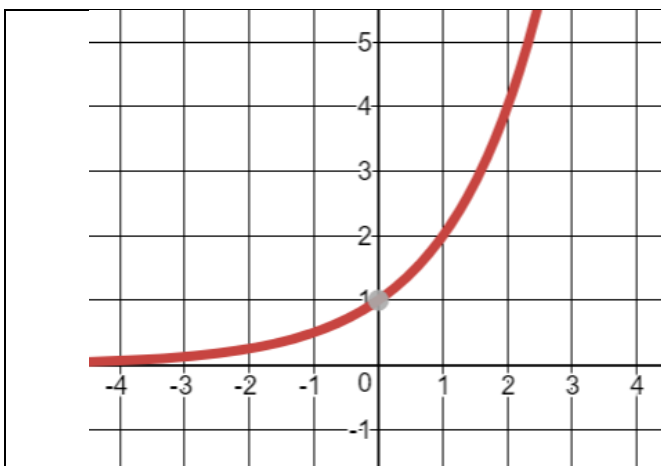
$$y = \underline{\hspace{2cm}}$$

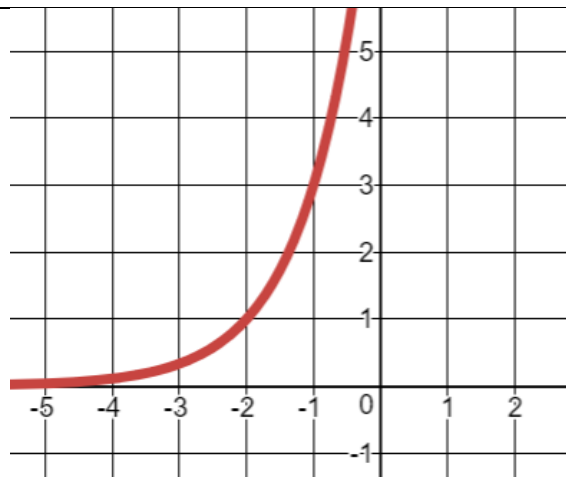
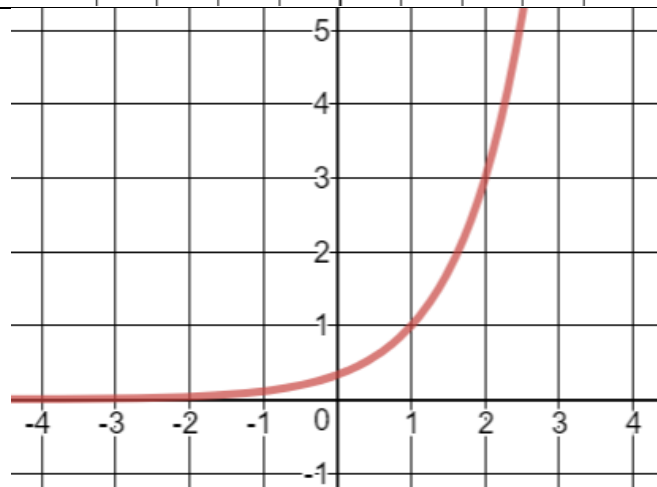
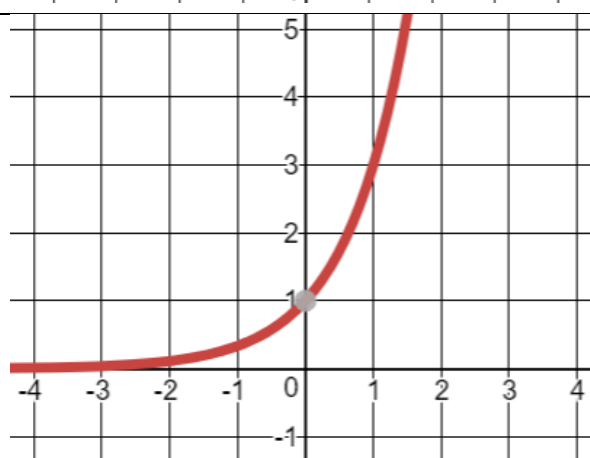
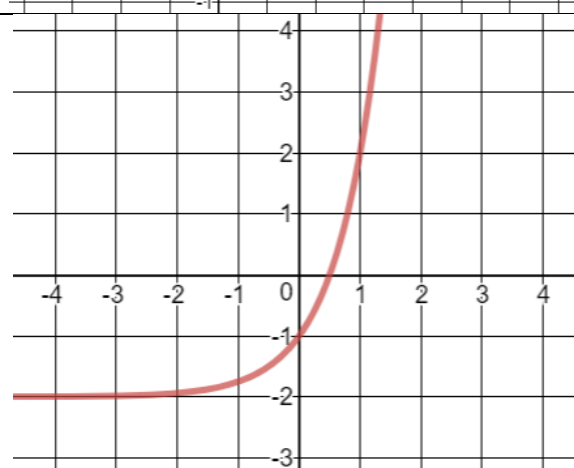
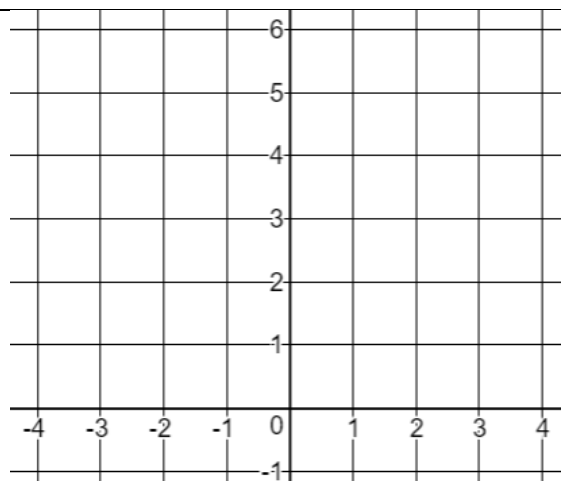
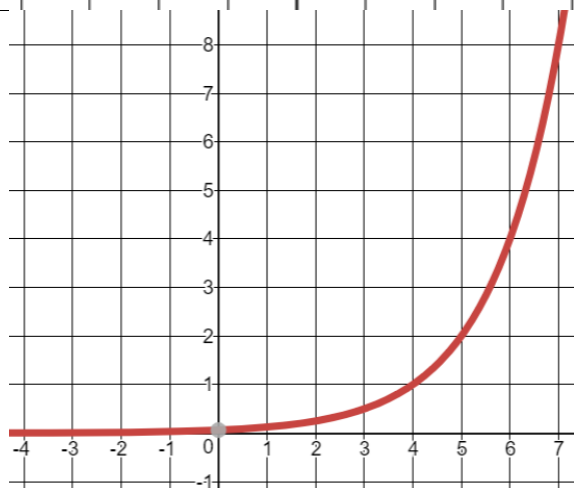
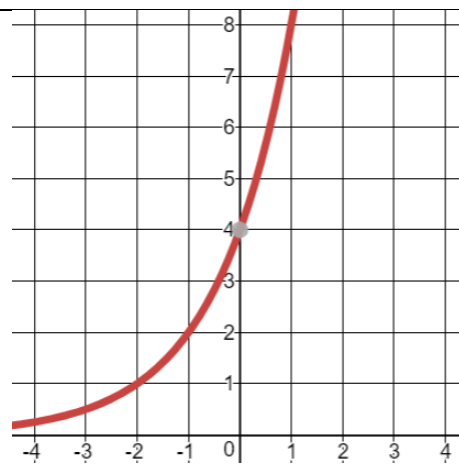
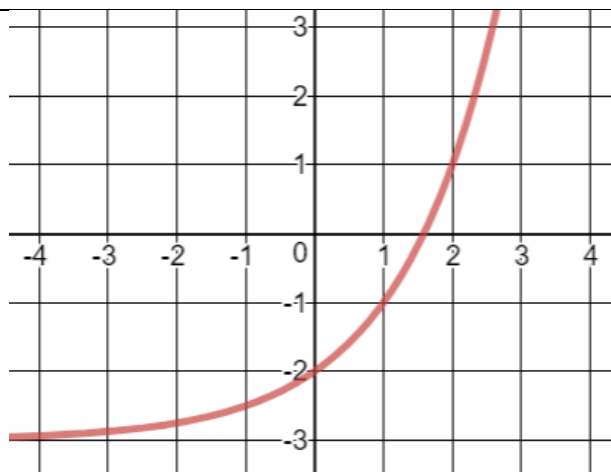
$$y = 2^{x-4}$$

$$y = 2^x$$

$$y = 3^x$$

Card Set B: Graphs





Card Set C: Tables

x	-1	0	1	2	x	-1	0	1	2
y	1.5	2	3	5	y	-2.5	-2	-1	1
x	-1	0	1	2	x	-1	0	1	2
y	1.25	2	5	17	y	-1.75	-1	2	14
x	-1	0	1	2	x	-1	0	1	2
y	1/9	1/3	1	3	y	3	9	27	81
x	-1	0	1	2	x				
y	2	4	8	16	y				
x	-1	0	1	2	x	-1	0	1	2
y	0.5	1	2	4	y	1/3	1	3	9

Card Set D: Transformation

Shift $y = 2^x$
up 1 unit

Shift $y = 2^x$
down 3 units

Shift $y = 4^x$
up 1 unit

Shift $y = 4^x$
down 2 units

Shift $y = 3^x$
right 1 unit

Shift $y = 3^x$
left 2 units

Shift $y = 2^x$
left 2 units

Shift $y = 2^x$
right 4 units