## **Graph Families 2**

Complete the table for each equation, then graph the equations on the same graph.

x	$y = \frac{1}{2} x$

$$x \qquad y = \frac{1}{2}x - 5 \qquad x \qquad y = \frac{1}{2}x + 2$$

$$x \qquad y = \frac{1}{2} x + 2$$

$$x \qquad y = \frac{1}{2}x - 3$$

									10										
									9										
									8										
									7										
									6										
									5										
									4										
									3										
									2										
									1										
-10	-9	-8	-7	-6	-5	-4	-3	-2		1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 -1	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2		1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 -1	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub>	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub>	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3 -4 -5	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3 -4 -5	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3 -4 -5 -6	1	2	3	4	5	6	7	8	9	10

Complete the table for each equation, then graph the equations on the same graph.

x	y = x + 2

$$x \qquad y = 2x + 2$$

$$x \quad y = \frac{1}{2}x + 2$$

$x \mid y = \frac{1}{3}$	$\frac{1}{3}x+2$
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-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 -1	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub>	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3 -4 -5	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3 -4 -5	1	2	3	4	5	6	7	8	9	10
-10	-9	-8	-7	-6	-5	-4	-3	-2	-1 <sub>-1</sub> -2 -3 -4 -5 -6	1	2	3	4	5	6	7	8	9	10