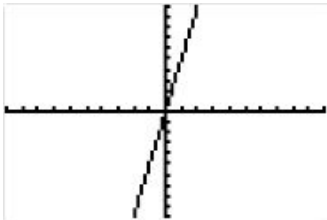
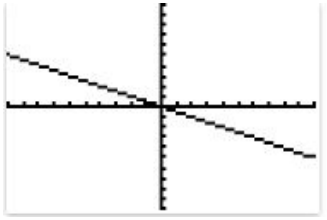
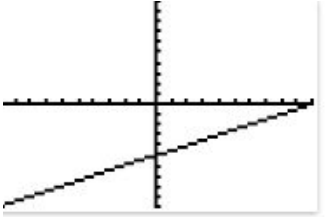
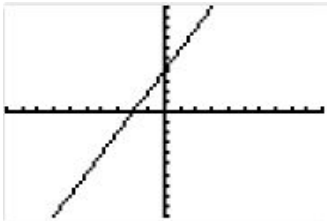
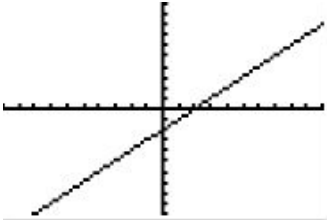


Name:

Date:

Understand the functional relationships between two linear functions with the same representation.

Equations	Tables	Graphs	Verbal Description																
$y = -2x + 4$	<table border="1"> <thead> <tr> <th>X</th> <th>Y<sub>1</sub></th> </tr> </thead> <tbody> <tr><td>-3</td><td>-2</td></tr> <tr><td>-2</td><td>-1</td></tr> <tr><td>-1</td><td>0</td></tr> <tr><td>0</td><td>1</td></tr> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>3</td></tr> <tr><td>3</td><td>4</td></tr> </tbody> </table>	X	Y <sub>1</sub>	-3	-2	-2	-1	-1	0	0	1	1	2	2	3	3	4		<p>I had \$4 in my bank account and then deposited \$2 per week.</p>
X	Y <sub>1</sub>																		
-3	-2																		
-2	-1																		
-1	0																		
0	1																		
1	2																		
2	3																		
3	4																		
$y = 5x$	<table border="1"> <thead> <tr> <th>X</th> <th>Y<sub>1</sub></th> </tr> </thead> <tbody> <tr><td>-3</td><td>-1.5</td></tr> <tr><td>-2</td><td>-1</td></tr> <tr><td>-1</td><td>-0.5</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1</td><td>0.5</td></tr> <tr><td>2</td><td>1</td></tr> <tr><td>3</td><td>1.5</td></tr> </tbody> </table>	X	Y <sub>1</sub>	-3	-1.5	-2	-1	-1	-0.5	0	0	1	0.5	2	1	3	1.5		<p>I had to purchase supplies to start my bake sale and I spent \$10. I charged \$0.50 per goody.</p>
X	Y <sub>1</sub>																		
-3	-1.5																		
-2	-1																		
-1	-0.5																		
0	0																		
1	0.5																		
2	1																		
3	1.5																		
$y = \frac{1}{2}x - 10$	<table border="1"> <thead> <tr> <th>X</th> <th>Y<sub>1</sub></th> </tr> </thead> <tbody> <tr><td>-3</td><td>-5</td></tr> <tr><td>-2</td><td>-4</td></tr> <tr><td>-1</td><td>-3</td></tr> <tr><td>0</td><td>-2</td></tr> <tr><td>1</td><td>-1</td></tr> <tr><td>2</td><td>0</td></tr> <tr><td>3</td><td>1</td></tr> </tbody> </table>	X	Y <sub>1</sub>	-3	-5	-2	-4	-1	-3	0	-2	1	-1	2	0	3	1		<p>The temperature was 4 degrees Fahrenheit and decreased by 2 degrees per hour throughout the day.</p>
X	Y <sub>1</sub>																		
-3	-5																		
-2	-4																		
-1	-3																		
0	-2																		
1	-1																		
2	0																		
3	1																		
$y = 2x + 4$	<table border="1"> <thead> <tr> <th>X</th> <th>Y<sub>1</sub></th> </tr> </thead> <tbody> <tr><td>-3</td><td>-2</td></tr> <tr><td>-2</td><td>0</td></tr> <tr><td>-1</td><td>2</td></tr> <tr><td>0</td><td>4</td></tr> <tr><td>1</td><td>6</td></tr> <tr><td>2</td><td>8</td></tr> <tr><td>3</td><td>10</td></tr> </tbody> </table>	X	Y <sub>1</sub>	-3	-2	-2	0	-1	2	0	4	1	6	2	8	3	10		<p>I owed my mom \$2 and then I paid her back \$1 per week.</p>
X	Y <sub>1</sub>																		
-3	-2																		
-2	0																		
-1	2																		
0	4																		
1	6																		
2	8																		
3	10																		
$y = 25 + .75x$	<table border="1"> <thead> <tr> <th>X</th> <th>Y<sub>1</sub></th> </tr> </thead> <tbody> <tr><td>-3</td><td>10</td></tr> <tr><td>-2</td><td>8</td></tr> <tr><td>-1</td><td>6</td></tr> <tr><td>0</td><td>4</td></tr> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>0</td></tr> <tr><td>3</td><td>-2</td></tr> </tbody> </table>	X	Y <sub>1</sub>	-3	10	-2	8	-1	6	0	4	1	2	2	0	3	-2		<p>I lost \$50 playing cards at the casino. Then I played slots and won \$0.75 per hour.</p>
X	Y <sub>1</sub>																		
-3	10																		
-2	8																		
-1	6																		
0	4																		
1	2																		
2	0																		
3	-2																		

$y = 10x + 150$	<table border="1"> <thead> <tr> <th>X</th> <th>Y1</th> </tr> </thead> <tbody> <tr><td>-3</td><td>-11.5</td></tr> <tr><td>-2</td><td>-11</td></tr> <tr><td>-1</td><td>-10.5</td></tr> <tr><td>0</td><td>-10</td></tr> <tr><td>1</td><td>-9.5</td></tr> <tr><td>2</td><td>-9</td></tr> <tr><td>3</td><td>-8.5</td></tr> </tbody> </table>	X	Y1	-3	-11.5	-2	-11	-1	-10.5	0	-10	1	-9.5	2	-9	3	-8.5		<p>I had \$3 in my bank account and deposited \$2 per week.</p>
X	Y1																		
-3	-11.5																		
-2	-11																		
-1	-10.5																		
0	-10																		
1	-9.5																		
2	-9																		
3	-8.5																		
$y = 3 + 2x$	<table border="1"> <thead> <tr> <th>X</th> <th>Y1</th> </tr> </thead> <tbody> <tr><td>-3</td><td>-15</td></tr> <tr><td>-2</td><td>-10</td></tr> <tr><td>-1</td><td>-5</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1</td><td>5</td></tr> <tr><td>2</td><td>10</td></tr> <tr><td>3</td><td>15</td></tr> </tbody> </table>	X	Y1	-3	-15	-2	-10	-1	-5	0	0	1	5	2	10	3	15		<p>I started with nothing and then decreased by half each time.</p>
X	Y1																		
-3	-15																		
-2	-10																		
-1	-5																		
0	0																		
1	5																		
2	10																		
3	15																		
$y = -2 + x$	<table border="1"> <thead> <tr> <th>X</th> <th>Y1</th> </tr> </thead> <tbody> <tr><td>-3</td><td>22.75</td></tr> <tr><td>-2</td><td>23.5</td></tr> <tr><td>-1</td><td>24.25</td></tr> <tr><td>0</td><td>25</td></tr> <tr><td>1</td><td>25.75</td></tr> <tr><td>2</td><td>26.5</td></tr> <tr><td>3</td><td>27.25</td></tr> </tbody> </table>	X	Y1	-3	22.75	-2	23.5	-1	24.25	0	25	1	25.75	2	26.5	3	27.25		<p>The taxi company charged me \$25 and then \$0.75 per mile.</p>
X	Y1																		
-3	22.75																		
-2	23.5																		
-1	24.25																		
0	25																		
1	25.75																		
2	26.5																		
3	27.25																		
$y = -\frac{1}{2}x$	<table border="1"> <thead> <tr> <th>X</th> <th>Y1</th> </tr> </thead> <tbody> <tr><td>-3</td><td>120</td></tr> <tr><td>-2</td><td>130</td></tr> <tr><td>-1</td><td>140</td></tr> <tr><td>0</td><td>150</td></tr> <tr><td>1</td><td>160</td></tr> <tr><td>2</td><td>170</td></tr> <tr><td>3</td><td>180</td></tr> </tbody> </table>	X	Y1	-3	120	-2	130	-1	140	0	150	1	160	2	170	3	180		<p>My babysitting job pays me \$5 per hour.</p>
X	Y1																		
-3	120																		
-2	130																		
-1	140																		
0	150																		
1	160																		
2	170																		
3	180																		
$y = -50 + 0.75x$	<table border="1"> <thead> <tr> <th>X</th> <th>Y1</th> </tr> </thead> <tbody> <tr><td>-3</td><td>22.75</td></tr> <tr><td>-2</td><td>23.5</td></tr> <tr><td>-1</td><td>24.25</td></tr> <tr><td>0</td><td>25</td></tr> <tr><td>1</td><td>25.75</td></tr> <tr><td>2</td><td>26.5</td></tr> <tr><td>3</td><td>27.25</td></tr> </tbody> </table>	X	Y1	-3	22.75	-2	23.5	-1	24.25	0	25	1	25.75	2	26.5	3	27.25		<p>I found a job that pays me a bonus of \$150 and then I earn \$10 per hour.</p>
X	Y1																		
-3	22.75																		
-2	23.5																		
-1	24.25																		
0	25																		
1	25.75																		
2	26.5																		
3	27.25																		