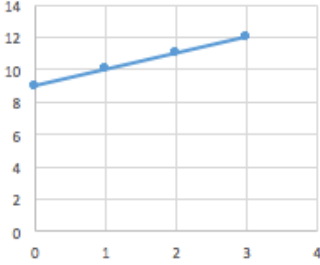
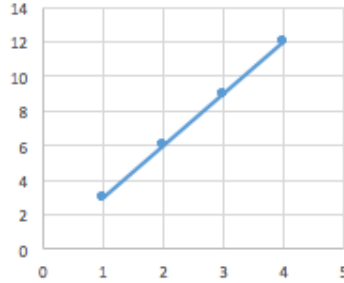


Study Guide for Test on Chapter 9

Type of Problem	Examples										
1. Define LINEAR EQUATION	Equation that represents a straight line										
2. Find independent and dependent variable from a context	A teacher grades 4 essays each hour. The total number of essays she can grade e is equal to 4 multiplied by the number of hours h she spends grading										
3. Study a table of x and y variables and <ul style="list-style-type: none"> • Write an equation • Find a missing value • Graph the line on an x and y coordinate 	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">4</td> </tr> <tr> <td style="padding: 5px;">y</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">?</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">13</td> </tr> </table> <p style="text-align: center;">$y = x + 9$</p> 	x	1	2	3	4	y	10	?	12	13
x	1	2	3	4							
y	10	?	12	13							
4. Look at a graph and write an equation	 <p style="text-align: center;">$y = 3x$</p>										
5. Match an equation with ordered pairs	$y = 3x$ matches with (1, 3), (2, 6), (3, 9)										
6. Graph 2-step equations	$y = 3x + 1$ can be graphed using the following coordinates <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;">y</td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">4</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">7</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">10</td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">13</td> </tr> </table>	x	y	1	4	2	7	3	10	4	13
x	y										
1	4										
2	7										
3	10										
4	13										