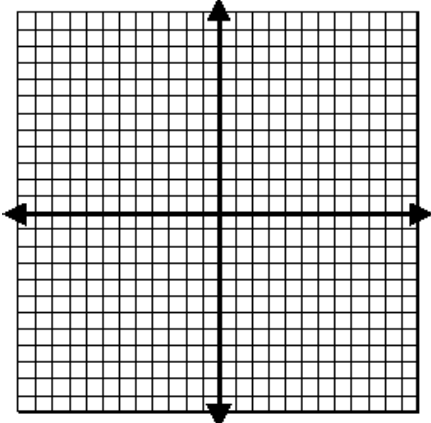
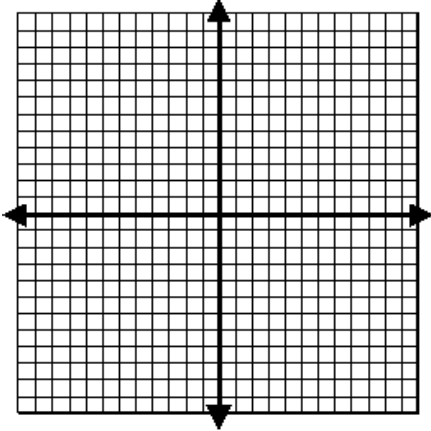
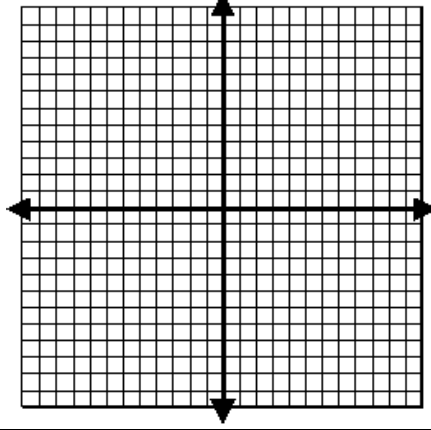
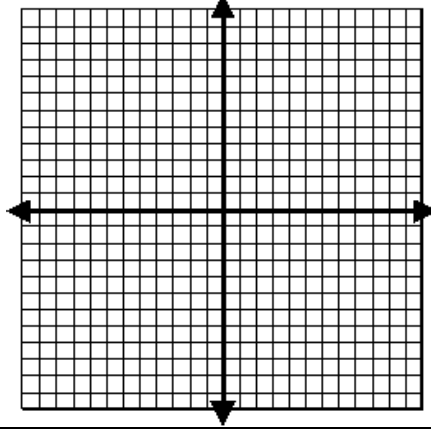


Chapter	Question	Work
2	<p>A furnace repair person charges an initial fee of \$80 plus \$30 per hour to do repairs.</p> <p>a. After how many hours would the cost of the repair be at least \$320?</p> <p>b. How many hours did the repair person work if the total bill was \$230?</p>	
2.	<p>Solve and graph</p> $2 - 3x \geq -x + 8$	
3	<p>The equation $y = 1725 - 75x$ represents the amount of money y (in dollars) left in your lunch account after x weeks.</p> <p>a. Identify the independent and dependent variables.</p> <p>b. Twenty weeks go by. Find the domain and range of the function.</p>	
3	<p>Graph the linear function.</p> $h(x) = -\frac{1}{5}x - 4$	
4.	<p>Rewrite the equation in slope-intercept form. State the slope and the y-intercept.</p> $4x - 5y = 25$	

4	<p>Graph the scatter plot. Determine if the data shows a positive, negative, or no correlation.</p> <table border="1" data-bbox="298 239 760 348"> <tbody> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> <td>2</td> </tr> <tr> <td>y</td> <td>2</td> <td>3</td> <td>1</td> <td>0</td> <td>-3</td> <td>0</td> <td>-2</td> </tr> </tbody> </table>	x	-2	-1	-1	0	1	2	2	y	2	3	1	0	-3	0	-2	
x	-2	-1	-1	0	1	2	2											
y	2	3	1	0	-3	0	-2											
4	<p>Graph the piecewise function.</p> $y = \begin{cases} -3, & \text{if } x < -1 \\ 4x + 2, & \text{if } x > -1 \end{cases}$																	
5	<p>Graph the system of linear inequalities on a the coordinate plane.</p> $y \geq \frac{2}{3}x + 3$ $y > -\frac{4}{3}x - 3$																	
5	<p>Solve the system of linear equations.</p> $2x + y = 20$ $6x - 5y = 12$																	