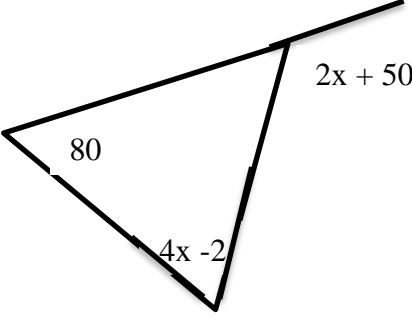
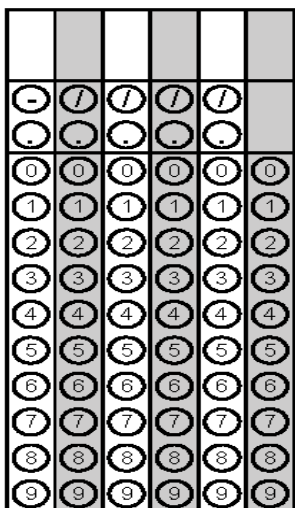
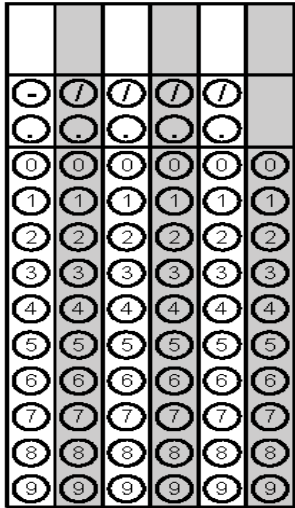
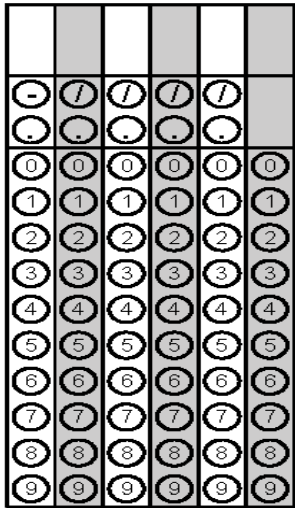


	Problem 1	Problem 2	Gridded Response												
Monday	<p>Find the value of <math>x</math>.</p> 	<p>If a triangle has side measurements of 12 cm, 16 cm, and 20 cm, is the triangle a right triangle?</p>	<p><b>Problem 1</b></p> 												
Tuesday	<p>Sanjay is trying to determine if the points <math>(-2, 4)</math>, <math>(-3, 10)</math>, <math>(-1, 12)</math>, and <math>(-4, 6)</math> represent a function. Explain how you know these points represent a function.</p>	<p>What is the rate of change in the table below?</p> <table border="1" data-bbox="730 934 1153 1207"> <thead> <tr> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5</td> </tr> <tr> <td>3</td> <td>9</td> </tr> <tr> <td>5</td> <td>13</td> </tr> <tr> <td>7</td> <td>17</td> </tr> <tr> <td>11</td> <td>25</td> </tr> </tbody> </table>	X	Y	1	5	3	9	5	13	7	17	11	25	<p><b>Problem 2</b></p> 
X	Y														
1	5														
3	9														
5	13														
7	17														
11	25														
Wednesday	<p>Harper is filling her little sisters wading pool full of water. Sketch a graph and write a description of this situation.</p>	<p>Find the volume of a cone with a radius of 5.5 inches and a height of 10.4 inches to the nearest tenth.</p>	<p><b>Problem 2</b></p> 												

Thursday

Amy is trying to decide what vehicle to purchase based on the best gas mileage.

- The Drive 450 has a gas mileage of  $y = 23x$ , where  $x$  is the number of gallons of gas used for  $y$  miles driven.
- The Zoom 560 has a gas mileage displayed in the table below.

Gallons of Gas	Miles Driven
3	75
4	100
6	150
10	250

Which car should Amy buy based on the gas mileage? Explain.

Approximate the value of  $-\sqrt{52}$  to the nearest tenths place.

**Problem 2**

-	/	/	/	/	
.	.	.	.	.	
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Friday

A rectangle's length is 4 inches less than three times the width. The perimeter of the rectangle is 32 inches. Find the dimensions of the rectangle.

Solve for  $x$ :

$$\frac{3^x}{3^8} = \frac{1}{3^5}$$

**Problem 2**

-	/	/	/	/	
.	.	.	.	.	
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9