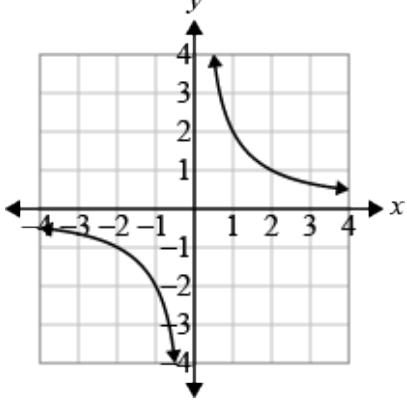
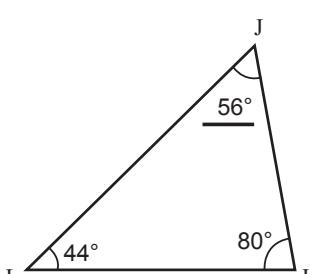
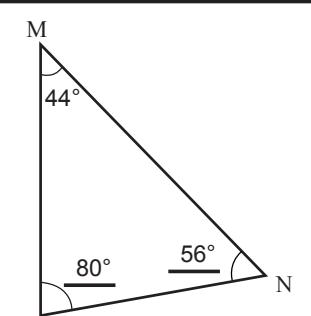


Maine Through Year Assessment 2nd Year of High School

Online Item Type Sampler Answer Key

Mathematics

Sequence	Key	Points				
1.	$4\pi \cdot \frac{1}{4}$ $\sqrt{25} \cdot \sqrt{5}$	1				
2.	incorrect factoring the expression $x = -\frac{3}{2}$ and $x = 1$	1				
3.	$x^3 + 6x^2 - x - 30$	1				
4.		1				
5.	3.5 or equivalent and 4.5 or equivalent	1				
6.	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">-2</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">5</td> </tr> </table>	-2	1	2	5	1
-2	1	2	5			
7.	Part A: maximum maximum equal to Part B: The x -intercepts of $f(x)$ are both positive.	2				
	Part A or Part B	1				
8.	$a_n = 4(2^{n-1})$	1				
9.	-3 or equivalent and 1 or equivalent	1				

Sequence	Key	Points
10.		 1
11.	$\cos Y$ cosine	1
12.	$\angle SOQ$ is a central angle. $\angle SRQ$ is an inscribed angle. $\angle QPS$ is a circumscribed angle.	1
13.	$y = \boxed{\frac{2}{3}}x + \boxed{4}$	1
14.	324 in.^3	1
15.	Part A: 15 or equivalent Part B: burgers spread of the data points	2
	Part A or Part B	1