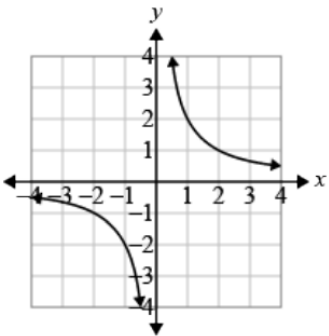
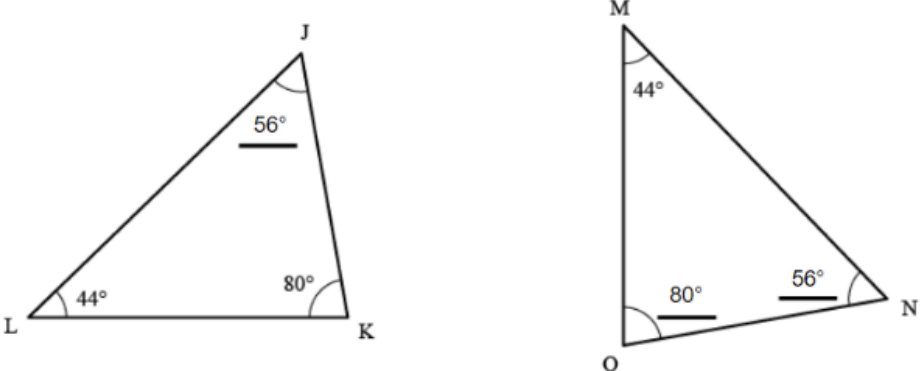


Maine Through Year Assessment High School Online Item Type Sampler Answer Key Mathematics

Sequence	Key	Points	Achievement Level Descriptor
1.	$4\pi \cdot \frac{1}{4}$ $\sqrt{25} \cdot \sqrt{5}$	1	CCSS.Math.Content.HSN-RN.B.3.Bel
2.	incorrect factoring the expression $x = -\frac{3}{2} \text{ and } x = 1$	1	CCSS.Math.Content.HSA-SSE.B.3a.Ab
3.	$x^3 + 6x^2 - x - 30$	1	CCSS.Math.Content.HSA-APR.A.1.At
4.		1	CCSS.Math.Content.HSA-CED.A.2.Ab
5.	3.5 or equivalent and 4.5 or equivalent	1	CCSS.Math.Content.HSA-REI.C.6.Bel

6.	<div style="border: 1px dashed blue; padding: 5px; display: inline-block;">-2 1 2 5</div>	1	CCSS.Math.Content.HSF-IF.B.5.WB
7.	Part A: maximum maximum equal to Part B: The x -intercepts of $f(x)$ are both positive.	2	CCSS.Math.Content.HSF-IF.C.9.WB
	Part A or Part B	1	
8.	$a_n = 4(2^{n-1})$	1	CCSS.Math.Content.HSF-BF.A.2.At
9.	-3 or equivalent and 1 or equivalent	1	CCSS.Math.Content.HSF-LE.A.2.At
10.		1	CCSS.Math.Content.HSG-CO.B.7.Bel
11.	cos Y cosine	1	CCSS.Math.Content.HSG-SRT.C.7.Ab
12.	$\angle SOQ$ is a central angle. $\angle SRQ$ is an inscribed angle. $\angle QPS$ is a circumscribed angle.	1	CCSS.Math.Content.HSG-C.A.2.WB

13.	$y = -\frac{2}{3}x + 4$	1	CCSS.Math.Content.HSG-GPE.B.5.Bel
14.	324 in.^3	1	CCSS.Math.Content.HSG-GMD.A.3.WB
15.	Part A: 15 or equivalent Part B: burgers spread of the data points	2	CCSS.Math.Content.HSS-ID.A.2.At
	Part A or Part B	1	