

MA 15400, Fall 2014

Exam 1 Answers

Question	Answer	Form 01 Green	Form 02 Orange
1.	$41^{\circ}2'51''$	C	A
2.	$200^{\circ}32'7''$	A	C
3.	133.7°	D	B
4.	$\sec \theta = \frac{c}{\sqrt{c^2 - b^2}}$	B	C
5.	339 feet	D	A
6.	$\sec \theta - \cos \theta$	A	E
7.	$\sin \theta = \frac{-12}{13}$	B	D
8.	0	C	B
9.	65°	E	A
10.	$\cot(t) = \frac{-3}{4}$	D	C
11.	$\theta_R = 60^{\circ}$	A	D
12.	Period = 6	B	C
13.	$y = \sin\left(\frac{1}{3}x + \pi\right)$	D	A
14.	$\theta = 64.8^{\circ}, 295.2^{\circ}$	A	D
15.	$\theta = 4.2101, 5.2146$	C	B