

MA 15400, Spring 2014
Exam 2 Answers

Question	Answer	Form A Green	Form B Orange
1.	$7\sqrt{3}$	A	C
2.	69.8°	D	A
3.	$c = b \csc \beta$	B	B
4.	13.2° None of the above	E	E
5.	1.6 feet	C	C
6.	$\theta = \frac{\pi}{4} + 2\pi n, \theta = \frac{7\pi}{4} + 2\pi n$	D	A
7.	3.6 hrs.	B	D
8.	274°	A	B
9.	$x = \frac{\pi}{4} + \frac{\pi}{2}n$	C	D
10.	$x = \frac{\pi}{12}, \frac{13\pi}{12}$	A	A
11.	No Solution	E	E
12.	$\cos(11^\circ)$	D	C
13.	$\frac{-3\sqrt{3} - \sqrt{55}}{16}$	B	D
14.	$\frac{13}{85}$	C	A
15.	$\frac{-36}{325}$	D	B
16.	$\frac{12\sqrt{133}}{169}$	C	D
17.	$\cos(37^\circ 18')$	A	C
18.	$t = 0, \pi, \frac{\pi}{3}, \frac{5\pi}{3}$	B	B