

# MA 15400, Spring 2011

## Exam 2 Answers

Question	Answer	Green, Form A	Orange, Form B
1.	26.2	D	B
2.	1.3 feet	B	D
3.	S61°W	A	C
4.	671 miles	C	A
5.	$\theta = \frac{\pi}{3} + \pi n$	E	B
6.	$\sin 40^\circ$	B	D
7.	$c = b \sec \alpha$	D	E
8.	$x = \frac{2\pi}{3}, \frac{4\pi}{3}, \pi$	A	C
9.	$\frac{13}{5\sqrt{53}}$	D	B
10.	$\frac{17}{25}$	C	A
11.	$\frac{\sqrt{2}}{2}(\cos \theta - \sin \theta)$	B	D
12.	$t = 0, \pi, \frac{2\pi}{3}, \frac{4\pi}{3}$	D	B
13.	$t = 29.3^\circ, 60.7^\circ$	E	E
14.	$\frac{\pi}{3}$	A	C
15.	$\frac{-8\sqrt{33}}{49}$	C	A