MA 15400, Fall 2013

Exam 3 Answers

Question	Green, Form A		Orange, Form B	
1.	C	$\frac{\pi}{3}$	A	$\frac{2\pi}{3}$
2.	D	$2x\sqrt{1-x^2}$	C	$2x\sqrt{1-x^2}$
3.	B	$0.6660, 5.6172$	D	$0.6660, 5.6172$
4.	A	$b = 18.4$ and $c = 9.2$	B	$b = 18.9$ and $c = 8.1$
5.	C	312 *yards*	D	312 *yards*
6.	D	179 *miles*	A	179 *miles*
7.	A	There exist two possible triangles and one of the values of b = 153.2.	C	There exist two possible triangles and one of the values of b = 153.2.
8.	C	$\langle 32, 10 \rangle$	B	$\langle 32, 10 \rangle$
9.	E	$\|c\| = 8.9$	E	$\|c\| = 8.9$
10.	D	$\theta = 138°$	C	$\theta = 129°$
11.	C	$\langle -30, 40 \rangle$	D	$\langle 30, -40 \rangle$
12.	B	$119.3°$	A	$113.9°$
13.	D	$m = 2.4$	B	$m = 3.75$
14.	A	465 *mph*	C	465 *mph*
15.	B	$159°$	D	$159°$