

MA 15400, Spring 2012

Exam 3 Answers

Question	Green, Form A	Orange, Form B
1.	B. $\langle -16, -3 \rangle$	C. $0, \pi, \frac{3\pi}{4}, \frac{5\pi}{4}$
2.	C. $0, \pi, \frac{3\pi}{4}, \frac{5\pi}{4}$	B. $\langle -16, -3 \rangle$
3.	D. 10.3 lb	A. $\frac{-\pi}{3}$
4.	A. $\frac{-\pi}{3}$	D. 10.3 lb
5.	D. $\frac{-8\sqrt{33}}{49}$	B. $m = \frac{14}{5}$
6.	B. $m = \frac{14}{5}$	D. $\frac{-8\sqrt{33}}{49}$
7.	C. 33.7	A. 298 mph
8.	D. 298 mph	C. 33.7
9.	A. 197 miles	D. 478 feet
10.	C. 478 feet	A. 197 miles
11.	B. 122.5°	C. $\gamma = 32^\circ$
12.	A. $\frac{-3}{5}i + \frac{4}{5}j$	C. 122.5°
13.	C. $\gamma = 32^\circ$	A. $\frac{-3}{5}i + \frac{4}{5}j$
14.	D. 1.3367, -0.8730	B. $\frac{x}{\sqrt{9+x^2}}$
15.	A. $\frac{x}{\sqrt{9+x^2}}$	D. 1.3367, -0.8730