MA 154, Fall 2004
Exam 3 Answers.

	Form A, Green		Form B, Orange	
1.	$31i - 25j$	E	$\dfrac{\pi}{3}$	A
2.	$\dfrac{\pi}{3}$	C	-1.0591, 0.2737	D
3.	-1.0591, 0.2737	A	$31i - 25j$	E
4.	$\dfrac{-3\sqrt{55}}{32}$	B	$\dfrac{3}{\sqrt{x^2 - 9}}$	C
5.	$\dfrac{3}{\sqrt{x^2 - 9}}$	A	$\dfrac{-3\sqrt{55}}{32}$	C
6.	53.8 cm	B	134.9º	D
7.	22.0 meters	D	283.0 miles	E
8.	283.0 miles	E	22.0 meters	B
9.	134.9º	B	53.8 cm	A
10.	66.9º	A	Only II and III are true	D
11.	138.1º	C	138.1º	B
12.	$\left\langle \dfrac{-20}{\sqrt{61}}, \dfrac{24}{\sqrt{61}} \right\rangle$	D	66.9º	C
13.	116.3º	A	$\left\langle \dfrac{-20}{\sqrt{61}}, \dfrac{24}{\sqrt{61}} \right\rangle$	B
14.	Only II and III are true	D	116.3º	A
15.	See Exam	C	See Exam	D