

MA 154, Fall 2007  
Exam 2 Answers

	Answer	Form A, Green	Form B, Orange
1.	$c = b \sec \alpha$	A	E
2.	$\sin(30^\circ)$	C	A
3.	2.5 hours	B	D
4.	26.6 feet	D	B
5.	$N66^\circ E$	D	C
6.	$x = \frac{5\pi}{8} + \pi n$	A	D
7.	No solution	C	A
8.	$\frac{4}{3}$	B	C
9.	$\frac{17}{49}$	D	B
10.	$0, \pi, \frac{\pi}{3}, \frac{5\pi}{3}$	A	D
11.	475 feet	B	C
12.	$\frac{2\pi}{3}$	E	E
13.	$\frac{-35}{37}$	C	B
14.	59.4 meters	A	A
15.	Domain: $[-2, 2]$ Range: $[-\pi, \pi]$	E	D