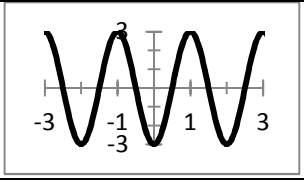
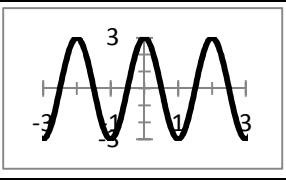


MA 15400, Fall 2011

Exam 2 Answers

	Form A		Form B	
	Answer	Letter	Answer	Letter
1.		B		D
2.	$b = a \cot \alpha$	E	$c = b \sec \alpha$	B
3.	$t = 16$	D	$t = 14$	C
4.	101 feet	B	108 feet	A
5.	$\sin(55^\circ)$	A	$\sin(31^\circ)$	D
6.	$y = 2 \sin\left(4x + \frac{\pi}{2}\right)$	C	$y = 2 \sin\left(4x + \frac{\pi}{2}\right)$	E
7.	$x = \frac{7\pi}{8} + \pi n$	A	$x = \frac{3\pi}{8} + \pi n$	B
8.	2.9 hours	B	3.8 hours	A
9.	267°	C	259°	D
10.	$\frac{\pi}{6}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{11\pi}{6}$	A	$\frac{\pi}{3}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{5\pi}{3}$	B
11.	22.1°	E	22.1°	E
12.	$\frac{171}{25\sqrt{73}}$	D	$\frac{213}{25\sqrt{73}}$	C
13.	$\frac{56}{65}$	B	$\frac{56}{65}$	A
14.	$0, \pi$	D	$0, \pi$	C
15.	$-\frac{\pi}{4}$	C	$\frac{3\pi}{4}$	B