

MA 154, Spring 2004
Exam 2 Answers

	Answers	Green, Form A	Orange, Form B
1	11.5°	D	A
2	$\frac{\square}{3}$, (None of the above)	E	E
3	$\sin 46^\circ$	A	D
4	55.0 meters	B	C
5	$\frac{\square}{6} + \square h, \frac{5\square}{6} + \square h$	D	A
6	$\frac{\square}{6}, \frac{5\square}{6}, \frac{3\square}{2}$	C	B
7	S 7° E	D	A
8	$\frac{\square}{18}, \frac{7\square}{18}, \frac{13\square}{18}, \frac{19\square}{18}, \frac{25\square}{18}, \frac{31\square}{18}$ (6 solutions)	C	B
9	$\frac{7 + 8\sqrt{2}}{3\sqrt{65}}$	B	C
10	$\cos(2x)$	D	A
11	$\frac{1}{2}(\sqrt{3} \sin \square - \cos \square)$	A	D
12	$\square - \frac{40}{9}$	B	D
13	$0, \pi$, (2 solutions)	C	B
14	$\frac{4\square}{3} + 2\square h, \frac{5\square}{3} + 2\square h$	A	D
15	$\frac{1}{2}$	A	B