

MA 154, Spring 2005  
Exam 1 Answers

| Question | Answer                           | Green Form A | Orange Form B |
|----------|----------------------------------|--------------|---------------|
| 1.       | $145^\circ$                      | E            | B             |
| 2.       | $24.74 \text{ in}^2/\$$          | A and E      | C and E       |
| 3.       | 1.30, 4.98                       | A            | C             |
| 4.       | $125^\circ 34' 57''$             | B            | D             |
| 5.       | 16.5 feet                        | B            | A             |
| 6.       | -24.0288                         | D            | B             |
| 7.       | $-\frac{4}{\sqrt{41}}$           | C            | A             |
| 8.       | $1 + \cot\theta$                 | B            | E             |
| 9.       | -1                               | A            | C             |
| 10.      | $\frac{\sqrt{34}}{3}$            | E            | E             |
| 11.      | $130.78^\circ, 229.22^\circ$     | A            | C             |
| 12.      | $-\infty$                        | C            | A             |
| 13.      | $-\frac{\pi}{3}, \frac{4\pi}{3}$ | E            | E             |
| 14.      | 0.7856                           | C            | B             |
| 15.      | $-\frac{8}{17}$                  | B            | D             |