

## MATH 121 Kafka Exam 3, Spring 2008 Answers

1. E) None of the above.
2. D)  $\frac{\pi}{18}$
3.  $\frac{7\pi}{12} \pm n\pi, -\frac{\pi}{12} \pm n\pi$  where  $n = 0, 1, 2, \dots$
4. C)  $\frac{2\pi}{5}$
5. A)  $\frac{\pi}{2}$  units to the right
6. A)  $\frac{\sqrt{6} - \sqrt{2}}{4}$
7. D)
8. C)
9. D)  $\sec^2 x$
10. A)  $-\frac{3\sqrt{10}}{10}$
11. D)  $\frac{\pi}{4}$
12. C)  $\tan x$
13. use calculator
14.  $x = 0, \pi, \frac{2\pi}{3}, \frac{4\pi}{3}$