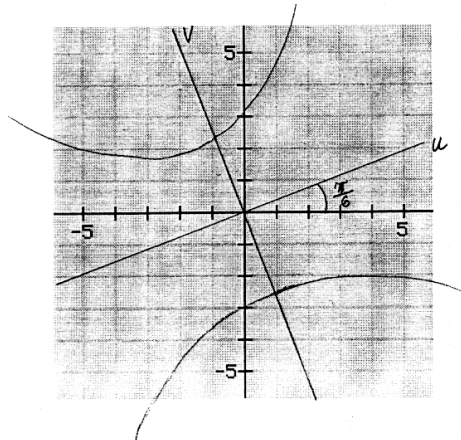


Math 141-142  
Spring 2000  
Analytic Geometry Final Exam Answers

1.  $x^2 + y^2 = -2x$
2.  $(4, -9)$
3.  $2\sqrt{3} + 2i$
4.  $\frac{\pi}{3}$
5.  $x = (y + 1)^2 + 1$
6.  $7e^{\frac{\pi i}{4}}$
7.  $(\pm\sqrt{3}, 0)$
8.  $(-3, 3\sqrt{3})$
- 9.



10.  $(-5, 0)$
11. d,c,a,b
12. b,d,c,a
13.  $\frac{(x+2)^2}{6.75} - \frac{(y-1)^2}{2.25} = 1$
14. 2 feet
15. (a)  $2e^{\frac{5\pi i}{6}}$  (b) -64