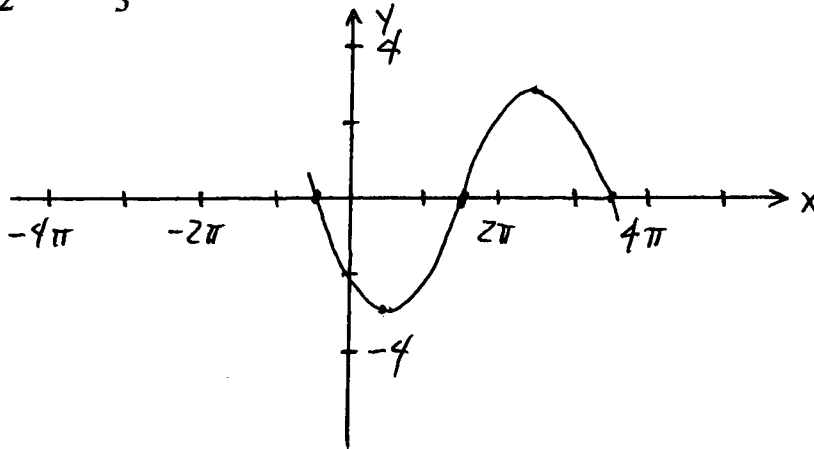


Exam 1 Answers Spring 2001

1. C 2. E 3. C 4. Identity 5.  $208.50^\circ, 331.50^\circ$  6. 19.4 meters  
 7. a)  $-\frac{5}{12}$ , b)  $\frac{\sqrt{34}}{3}$  8. Amp = 3, Per =  $4\pi$ , Ph. Sh. =  $-\pi/2$  9. 12941 ft.

8 sketch:



Exam 2 Answers Spring 2001

1. B 2. C 3. B 4.  $210^\circ, 330^\circ, 270^\circ$  5.  $-\frac{567}{160}$  6.  $a = 477.2, c = 316.2$   
 7. Identity 8. a) 415 ft b) 152 ft 9. 175 ft

Exam 3 Answers Spring 2001

1.  $8.9(\cos 1.1 + i \sin 1.1)$  2. 25.2 3.  $y = \frac{2x^2}{9} + 1$  4.  $55.3^\circ$   
 5.  $y = \frac{1}{16}(x-2)^2 - 3$  6.  $C(3, -2), V_1(5, -2), V_2(1, -2)$  7. 460 miles  
 8. 15.3 ft 9. HA:  $y = 0$ , VA:  $x = 5, x = -1$ , x-int: 3, y-int:  $3/5$

9 sketch:

