

Answers to Study Guide Intro to Trig.

1.  $\frac{\sqrt{3}}{3}$

2.  $-\frac{2\sqrt{3}}{3}$

3. -1

4. -1/2

5. 1

6. -2

7.  $\sqrt{2}$

8. Undefined

9. -.1908

10. .9659

11. .7431

12. 1.0378

13. -1.4486

14. 1.7321

15. .7071

16. .6421

17.  $28^\circ$

18.  $68^\circ$

19.  $\frac{\pi}{3}$

20.  $\frac{\pi}{6}$

21. 1.48

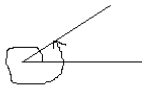
22. 1.42

23.  $\frac{25\pi}{12}, -\frac{23\pi}{12}$

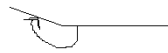
24.  $\frac{8\pi}{3}, -\frac{4\pi}{3}$

25.  $-30^\circ, 330^\circ$

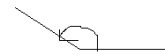
26.  $-246^\circ, 474^\circ$



27.



28.



29.

30.  $\approx 300^\circ$

31.  $\approx -330^\circ$

32.  $\approx -390^\circ$

33. II

34. III

35. II

36. IV

37. IV

38. III

39.  $\frac{24}{25}, \frac{7}{24}$

40.  $-\frac{12}{13}, \frac{13}{5}$

41.  $\frac{6}{5}, -\frac{\sqrt{61}}{5}$

42.  $\cos\theta = -\frac{3}{5}$

43.  $\tan\theta = -\frac{\sqrt{15}}{15}$

44.  $\sec\theta = -1,$

45. 8

46. 11.49

47.  $-\frac{43\pi}{36}$

48.  $\frac{4\pi}{5}$

49.  $246.37^\circ$

50.  $-205.12^\circ$

51.  $105^\circ$

52.  $562.5^\circ$