

Student: _____
Date: _____
Time: _____

Instructor: Andy Davis
Course: MATH 130 -
TRIGONOMETRY (4 UNITS) Fall
2008
Book: Sullivan: Trigonometry: A Unit
Circle Approach, 8e

Assignment: Homework 4: Graphs plus

1.
$$\frac{-\frac{3}{5}}{\frac{4}{5}}$$
$$-\frac{3}{4}$$
$$-\frac{3}{4}$$
$$-\frac{3}{4}$$
$$\frac{5}{4}$$
$$-\frac{5}{3}$$

2.
$$\frac{7\sqrt{85}}{6\sqrt{85}}$$
$$\frac{85}{7}$$
$$-\frac{6}{6}$$
$$-\frac{7}{7}$$
$$\frac{\sqrt{85}}{\sqrt{85}}$$
$$\frac{6}{\sqrt{85}}$$
$$-\frac{\sqrt{85}}{7}$$

3.
$$\frac{3\sqrt{10}}{10}$$
$$\frac{10}{\sqrt{10}}$$
$$-\frac{10}{-3}$$
$$\frac{\sqrt{10}}{\sqrt{10}}$$
$$\frac{3}{-\sqrt{10}}$$
$$-\frac{1}{3}$$

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4.
$$\frac{3\sqrt{73}}{8\sqrt{73}}$$
$$\frac{3}{8}$$
$$\frac{\sqrt{73}}{\sqrt{73}}$$
$$\frac{3}{8}$$
$$\frac{8}{3}$$

5. -0.8

6. 7

7. $\frac{1}{2}$

8. $-\frac{1}{2}$

9. $\frac{49.69}{12.42}$

10. $\frac{1}{2}$

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

12. 2

13. 1

14. the second choice

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$$15. \quad \begin{array}{r} 7 \\ - \frac{7\sqrt{3}}{\sqrt{3}} \\ \hline \frac{12}{\sqrt{3}} \\ - \frac{12}{4\sqrt{3}} \end{array}$$

$$16. \quad \begin{array}{r} - \frac{7}{25} \\ \frac{24}{24} \\ - \frac{7}{7} \\ \hline \frac{24}{25} \\ - \frac{7}{25} \\ \hline \frac{17}{24} \end{array}$$

$$17. \quad \begin{array}{r} \frac{3}{5} \\ - \frac{3}{4} \\ \frac{4}{4} \\ - \frac{3}{5} \\ - \frac{4}{4} \\ \hline \frac{5}{3} \end{array}$$

$$18. \quad \begin{array}{r} - \frac{24}{25} \\ \frac{7}{7} \\ \hline \frac{24}{24} \\ \frac{7}{7} \\ - \frac{25}{24} \\ \hline - \frac{24}{25} \\ - \frac{7}{7} \end{array}$$

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$$19. \frac{\frac{\sqrt{13}}{7}}{\frac{\sqrt{13}}{6\sqrt{13}}}$$

$$20. \frac{\frac{\sqrt{3}}{2}}{\frac{\frac{2}{\sqrt{3}}}{-\sqrt{3}}}$$

$$21. \frac{\sqrt{3}}{2}$$

$$22. 0$$

$$23. -1$$

$$24. \frac{\sqrt{3}}{2}$$

$$25. 1$$

$$26. 1$$

$$27. 0$$

$$28. 1$$

$$29. 1.5$$

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30. 12

31. B

32. odd multiples

$$\frac{\pi}{2} (90^\circ)$$

33. $\frac{1}{4}$
 $\frac{3}{4}$

34. $-\frac{3}{9}$

35. 2

36. -1

37. $\frac{\pi}{2}$
 $\frac{3\pi}{2}$
 $\frac{2}{N}$

38. $\frac{7}{1}$
 $\frac{1}{2\pi}$

39. $\frac{4}{2\pi}$
 $\frac{5}{5}$

40. $\frac{7}{\pi}$
 $\frac{2}{2}$

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41. $\frac{3}{7}$
 $\frac{7}{7}$
 $\frac{5}{7}$
 $\frac{10\pi}{7}$

42. $\frac{6}{5}$
 $\frac{5}{5}$

43. A

44. A

45. A

46. A

47. B

48. C

49. the second choice

50. F

51. 120
 $\frac{1}{60}$
D
1.3
1.3
 $\frac{1}{60}$
C