13.2 Trig ratios

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOUR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Find the value of each variable using SOH-CAH-TOA*

2.

3.

1.

5.

6.

4.

9.

8.

7.

10. Holly is flying her kite. The hand holding the string is 4 feet

above ground level and the string makes an angle of 55° above horizontal.

When she has 100 ft. of string out, how high is the kite above the ground?

Find each angle measure to the nearest degree.

11. $\sin(y)=0.8829$ 12. $\tan(w)=57.2900$ 13. $\cos(v)=0.5878$

14. $\cos(b)=0.1736$ 15. $\tan(w)=4.0108$ 16. $\sin(z)=0.6691$

Find the measure of the indicated angle to the tenth of a degree.

17. 18.

19. 20.  

21. 22.  

23. 24.  