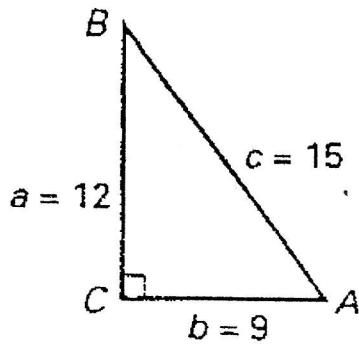


Trigonometry Worksheet #1

8.4 day 1 assignment (13)

For #1-6, write the trig ratio as a fraction in simplest terms.



1.  $\sin A =$

4.  $\sin B =$

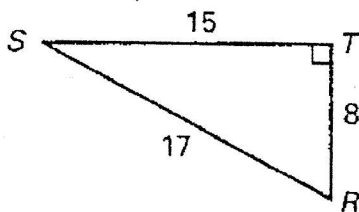
2.  $\cos A =$

5.  $\cos B =$

3.  $\tan A =$

6.  $\tan B =$

For # 7 – 12, write the trig ratio as a fraction in simplest form.



7.  $\sin R =$

10.  $\sin S =$

8.  $\cos R =$

11.  $\cos S =$

9.  $\tan R =$

12.  $\tan S =$

For # 13-18, use your calculator to find the value of the trig function. Round to four decimal places.

13.  $\cos 72^\circ$

14.  $\sin 19^\circ$

15.  $\tan 50^\circ$

16.  $\cos 27^\circ$

17.  $\sin 84^\circ$

18.  $\tan 23^\circ$

**What did the cannibal get when he was late for dinner?**

Find the missing sides using the Pythagorean theorem. Then find the trig ratios. You will need to simplify the fractions. That answer will match a letter that will allow you to figure out the joke.

1.  $x =$  \_\_\_\_\_

2.  $\sin A =$  \_\_\_\_\_

3.  $\cos A =$  \_\_\_\_\_

4.  $\tan B =$  \_\_\_\_\_

5.  $\tan A =$  \_\_\_\_\_

6.  $y =$  \_\_\_\_\_

7.  $\cos D =$  \_\_\_\_\_

8.  $\tan F =$  \_\_\_\_\_

9.  $\cos F =$  \_\_\_\_\_

10.  $\tan D =$  \_\_\_\_\_

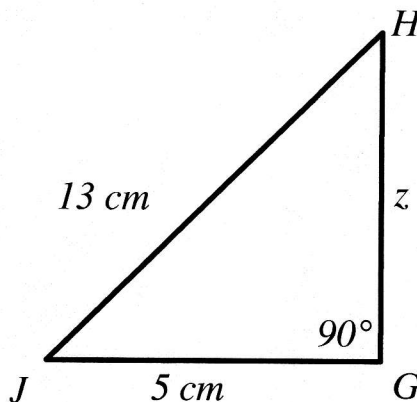
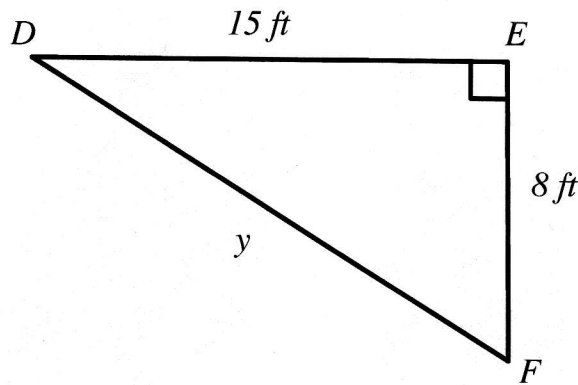
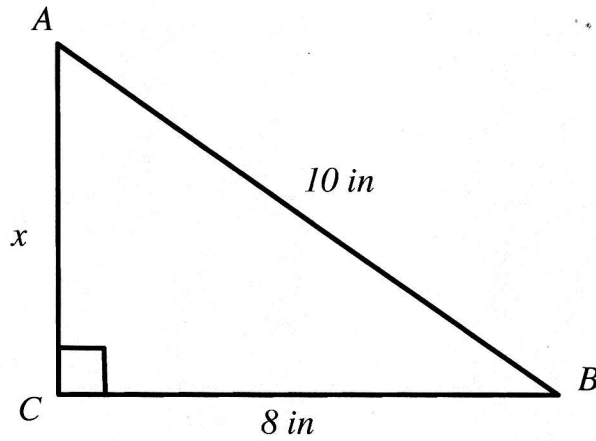
11.  $z =$  \_\_\_\_\_

12.  $\tan J =$  \_\_\_\_\_

13.  $\sin J =$  \_\_\_\_\_

14.  $\tan H =$  \_\_\_\_\_

15.  $\sin H =$  \_\_\_\_\_



T.  $\frac{12}{13}$

C.  $\frac{5}{12}$

O.  $\frac{4}{5}$

R.  $\frac{15}{8}$

L. 6

H.  $\frac{3}{5}$

U.  $\frac{5}{13}$

O. 17

H.  $\frac{4}{3}$

E.  $\frac{8}{17}$

D.  $\frac{12}{5}$

E.  $\frac{3}{4}$

S. 12

L.  $\frac{15}{17}$

D.  $\frac{8}{15}$

13 5 9 14 2 7 10 11 3 6 15 1 12 4 8