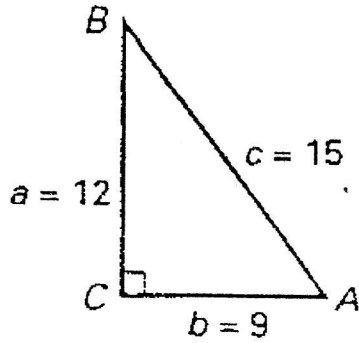


Trigonometry Worksheet #1

8.4 day 1 assignment (13)

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



1. $\sin A =$

4. $\sin B =$

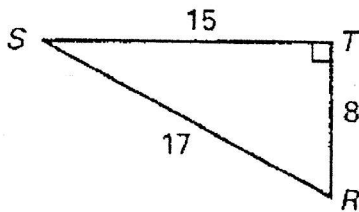
2. $\cos A =$

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. $\tan D =$ _____

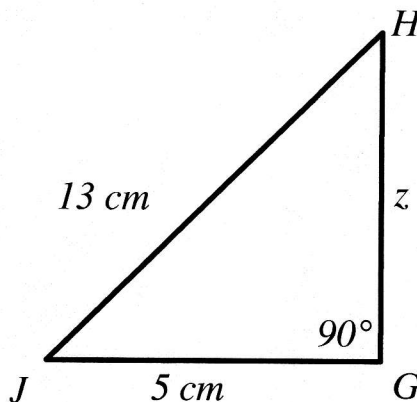
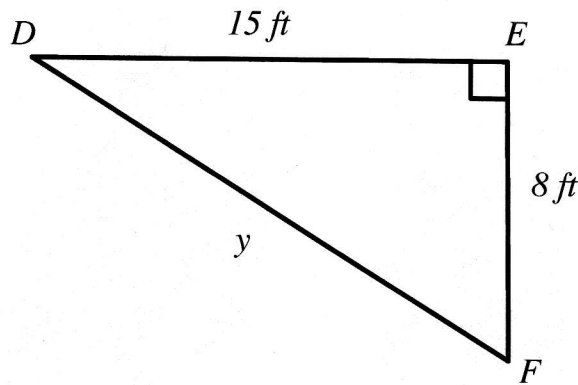
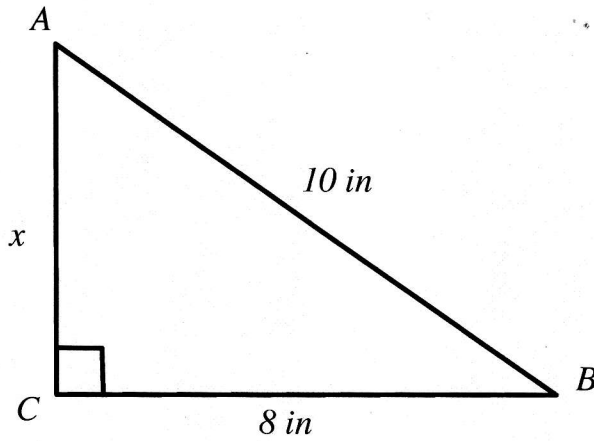
11. $z =$ _____

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