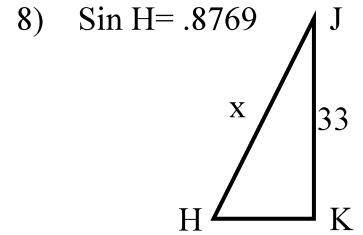# Trigonometry 5

Find the trigonometric ratios using the information given.

1) Tan R = 15/36   Tan P =   Sin P =

2) Cos P = 33/65   Cos R =   Tan P =

3) Sin P = 55/73   Tan R =   Sin R =

4) Cos R = 72/97   Cos P =   Sin R =
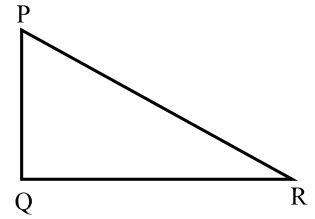
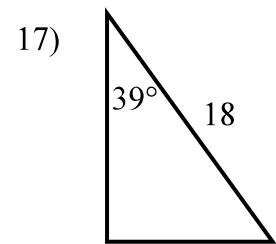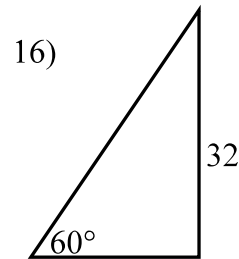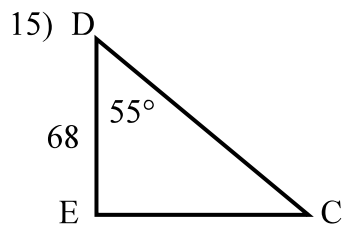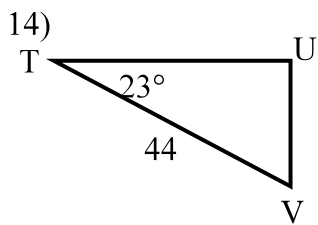Use a proportion or an equation to find x in each problem below.

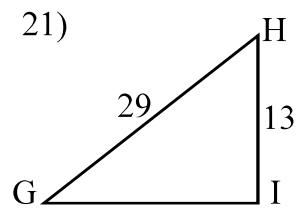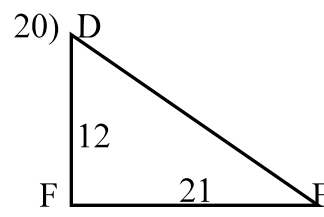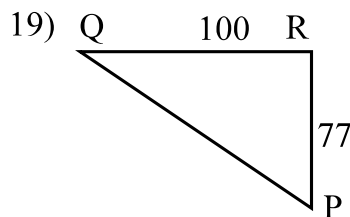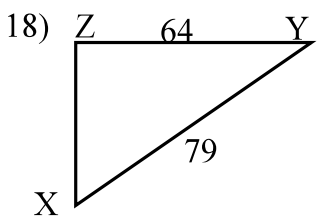5) T 112 U   x   V

6) Tan V=16/63   85   x   C   D   E   Cos D =15/17

7) Sin X= .5932   X   21   Z   x   Y

8) Sin H= .8769   J   x   33   H   K
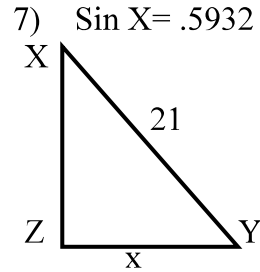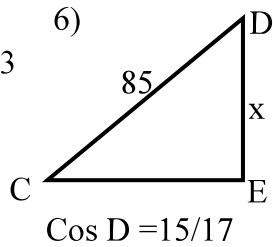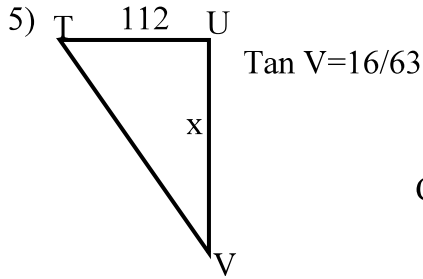
Give each trigonometric ratio to 4 places.

9) Cos 72^0 10) Tan 14^0 11) Cos 38^0 12) Sin 43^0 13) Tan 86^0

Solve each triangle. Give the measure of each side and angle to the nearest tenth.

14) T   23°   44   U   V

15) D   55°   68   E   C

16) 32   60°

17) 39°   18

Find the measure of each acute angle to the nearest tenth of a degree.

18) Z   64   Y   79   X

19) Q   100   R   77   P

20) D   12   F   21   E

21) H   29   13   G   I

Solve each triangle. Give the measure of each side and angle to the nearest tenth.

22) A   31   C   26   B

23) 50   V   X   47   W

24) G   F   97   112   E

25) Q   48   R   39   T