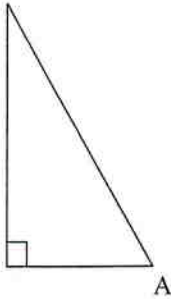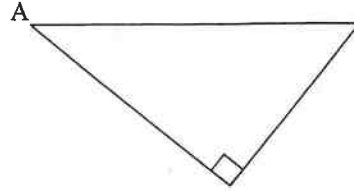Part #1: In 1-4, for each triangle label the hypotenuse, the side adjacent to $\angle A$ and the side opposite $\angle A$.
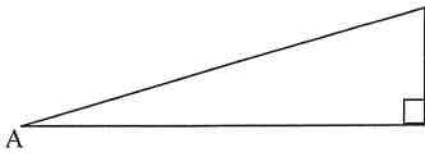
1.

2.

3.

4.

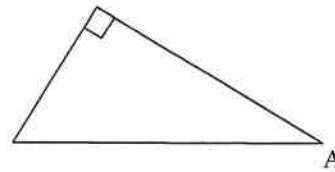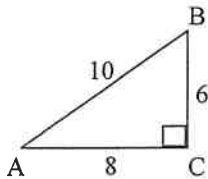Part #2: In 5-8, find each ratio:

5.

6.

sin A =   sin B =   sin A =   sin B =

cos A =   cos B =   cos A =   cos B =

tan A =   tan B =   tan A =   tan B =

Part #3: In 1-20, use a calculator to find each of the following to the nearest *ten-thousandth*.

1. tan 10°   2. sin 18°   3. cos 21°

4. tan 30°   5. sin 42°   6. cos 35°

7. tan 70°   8. sin 58°   9. cos 40°

10. tan 45°   11. sin 76°   12. cos 59°

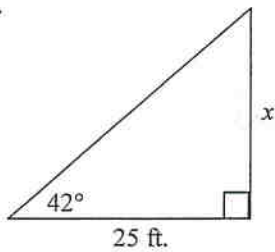13. tan 1°   14. sin 1°   15. cos 74°
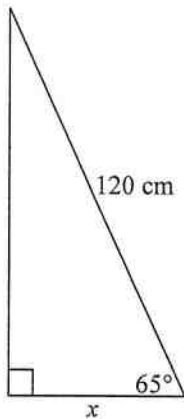
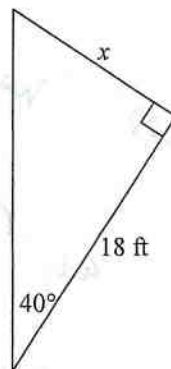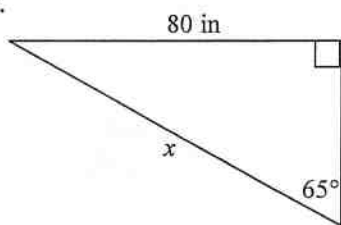Part #4: In 14-22, in each given triangle, find the length of the side marked x to the *nearest tenth*.
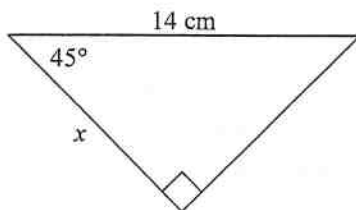
14.

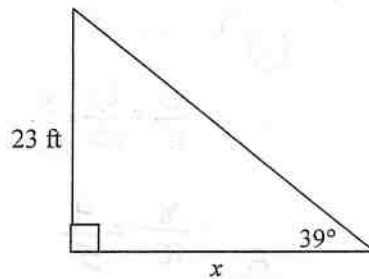x

42°

25 ft.

15.

120 cm

65°

x

16.

x

18 ft

40°

17.

80 in

x

65°

18.

14 cm

45°

x

19.

23 ft

39°

x

20.

x

27°

312 ft

21.

x

72°

9 in

22.

x

33°

51 m