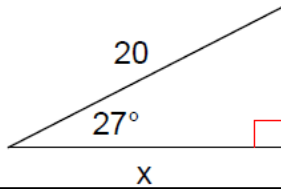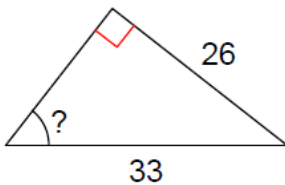# CW on SohCahToa and Application

1. Given: $\tan\theta = \dfrac{1}{2}$.   Find the other 5 Trig ratios.

2. Find the missing side. Round answer to the nearest tenths.

20

27°

X

3. Find the missing angle. Round answer to the nearest tenths.

26

?

33

4. A wheelchair ramp is 5.6 m long. It rises 1.2 m. What is its angle of inclination to the nearest tenth of a degree?

5. A building casts a shadow of 16 feet. The angle of elevation is 42 degrees. Find the height of the building. Round answer to the nearest whole number.