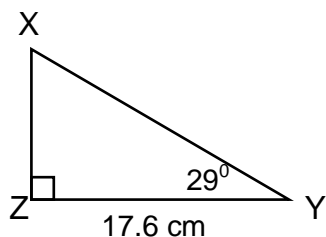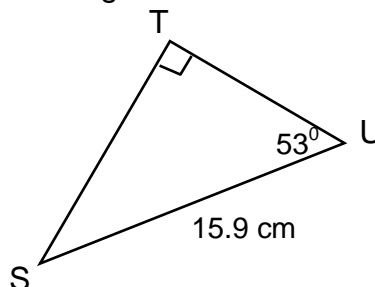1. Which ratio would you use to find each indicated length?
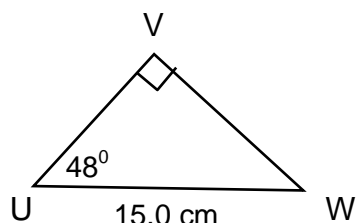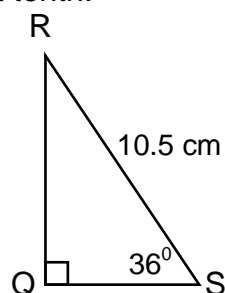
a) XY

b) ST

2. Find the length of indicated each side to the nearest tenth.

a) VW
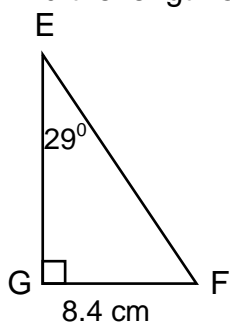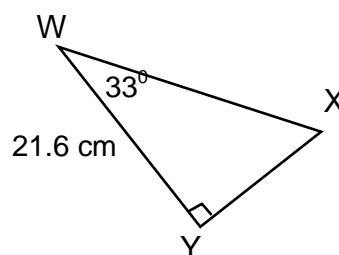
b) QR

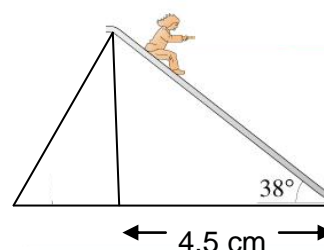3. Find the length of the hypotenuse to the nearest tenth.

a)

b)

4. A straight slide in a playground makes an angle of 38^0 with the ground. The slide covers a horizontal distance of 4.5m. How long is the slide, to the nearest tenth?

5. A 15m support cable joins the top of a telephone pole to a point of the ground. If the angle of inclination is 32^0, find the height of the pole to the nearest tenth.

6. The base of a ladder is on level ground 1.9m from the wall. The ladder leans against the wall. The angle between the ladder and wall is 65^0.

a) How far up the wall does the ladder reach?

b) How long is the ladder?