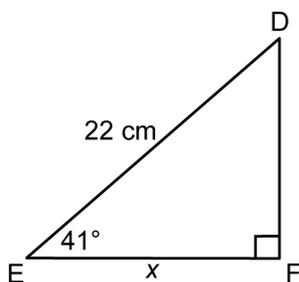


Chapter 7 Test

1. The value of $\cos 35^\circ$, to four decimal places, is
 A 0.8192
 B 0.5736
 C 1.4281
 D 0.2212

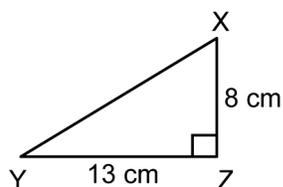
2. If $\tan \theta = 0.6385$, then θ , to the nearest degree, is
 A 33°
 B 40°
 C 50°
 D 64°

3. In $\triangle DEF$, x , to the nearest tenth of a metre, is



- A 14.4 cm
 B 19.1 cm
 C 17.3 cm
 D 16.6 cm

4. In $\triangle XYZ$, $\angle X$, to the nearest degree, is

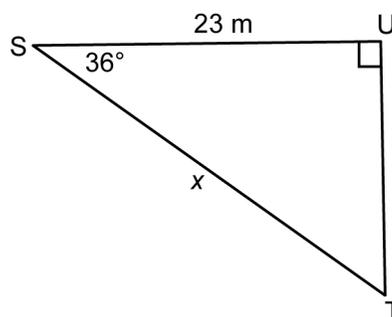


- A 58°
 B 32°
 C 38°
 D 52°

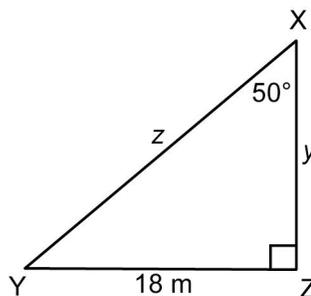
5. Sketch a pair of similar figures for each.
 a) parallelogram
 b) square

6. Sketch a pair of congruent figures for each.
 a) triangle
 b) pentagon

7. In $\triangle STU$, find x , to the nearest tenth of a metre.



8. Solve $\triangle XYZ$. Round side lengths to the nearest tenth of a metre.



9. From a point 25 m from the bottom of a maple tree, the angle of elevation to the top of the maple tree is 21° . Find the height of the maple tree, to the nearest metre.