

Name: _____

Date: _____

BLM 7-17

Chapter 7 Practice Test

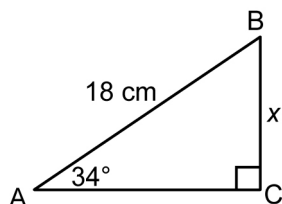
1. $\sin 35^\circ$, to four decimal places, is

A 0.8192
B 0.7002
C 0.5736
D -0.4282

2. If $\tan \theta = 0.5512$, then θ , to the nearest degree, is

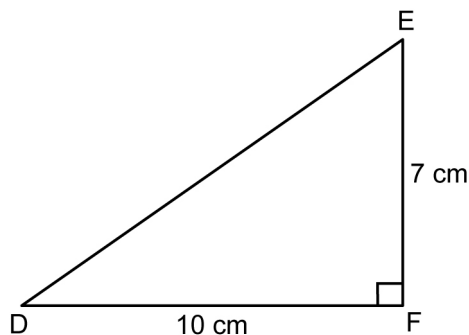
A 33°
B 57°
C 55°
D 29°

3. In $\triangle ABC$, x , to the nearest tenth of a metre, equals



A 10.1 cm
B 14.9 cm
C 12.1 cm
D 10.6 cm

4. In $\triangle DEF$, $\angle D$, to the nearest degree, is



A 44°
B 46°
C 35°
D 55°

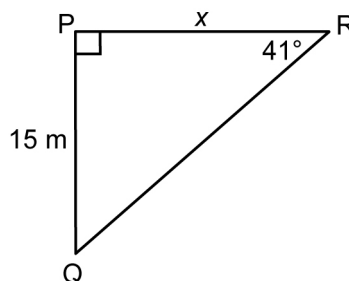
5. Sketch a pair of similar figures for each.

a) triangle
b) kite

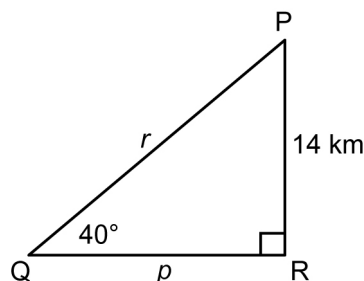
6. Sketch a pair of congruent figures for each.

a) rectangle
b) parallelogram

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



8. Solve $\triangle PQR$. Round side lengths to the nearest tenth of a kilometre.



9. From a point 10 m from the base of a building, the angle of elevation of the top of the building is 54° . Find the height of the building, to the nearest metre.