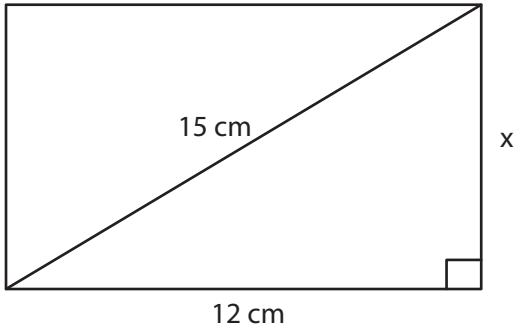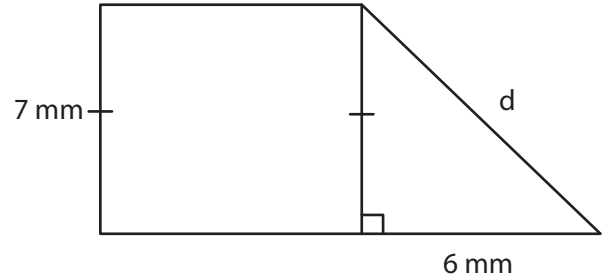Find the missing side length in each shape by applying the Pythagorean theorem. Round the answer to the nearest tenth place.

1)

15 cm

12 cm

x

x =

2)

11 mm

g

10 mm

g =

3)

u

8 m

3 m

u =

4)

7 mm

d

6 mm

d =

5)

12 m

a

11 m

a =

6)

r

8 cm

2 cm

r =

Pythagorean Theorem

Answer key

PT:27

Find the missing side length in each shape by applying the Pythagorean theorem. Round the answer to the nearest tenth place.
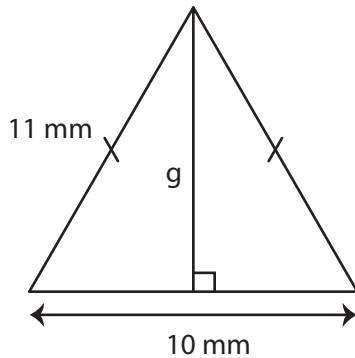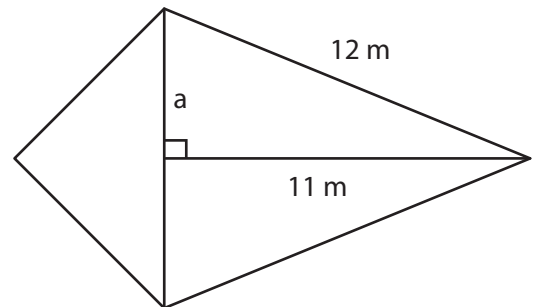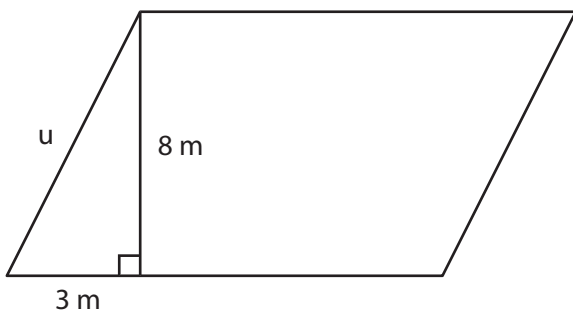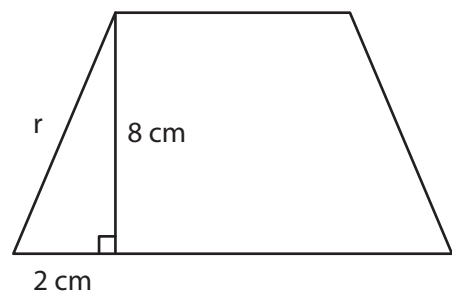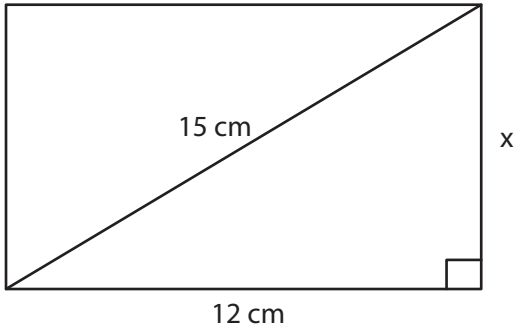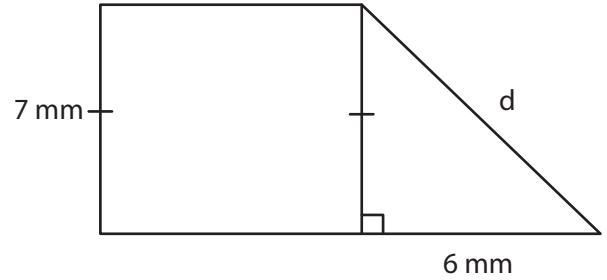
1)

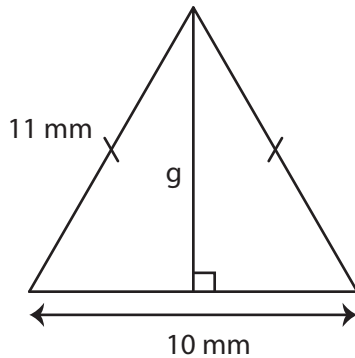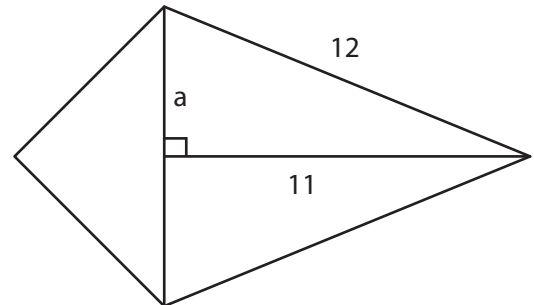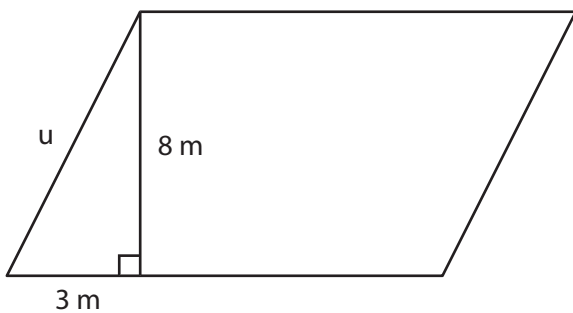15 cm

x

12 cm

x = **9 cm**

2)

11 mm

g

10 mm

g = **9.8 mm**

3)

u

8 m

3 m

u = **8.5 m**

4)

7 mm

d

6 mm

d = **9.2 mm**

5)

12

a

11

a = **4.8 m**

6)

r

8 cm

2 cm

r = **8.2 cm**