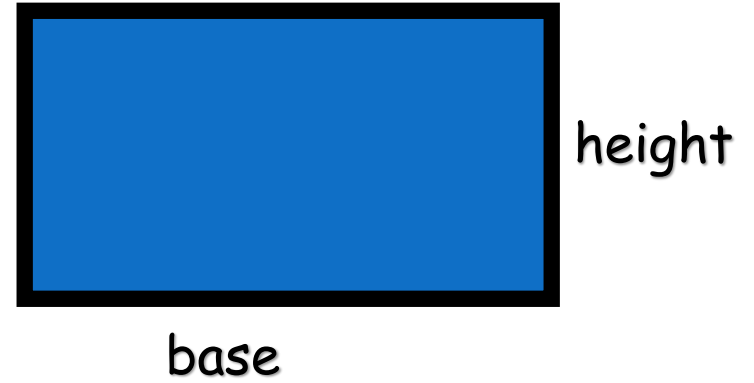# GEOMETRY

AREAS OF POLYGONS
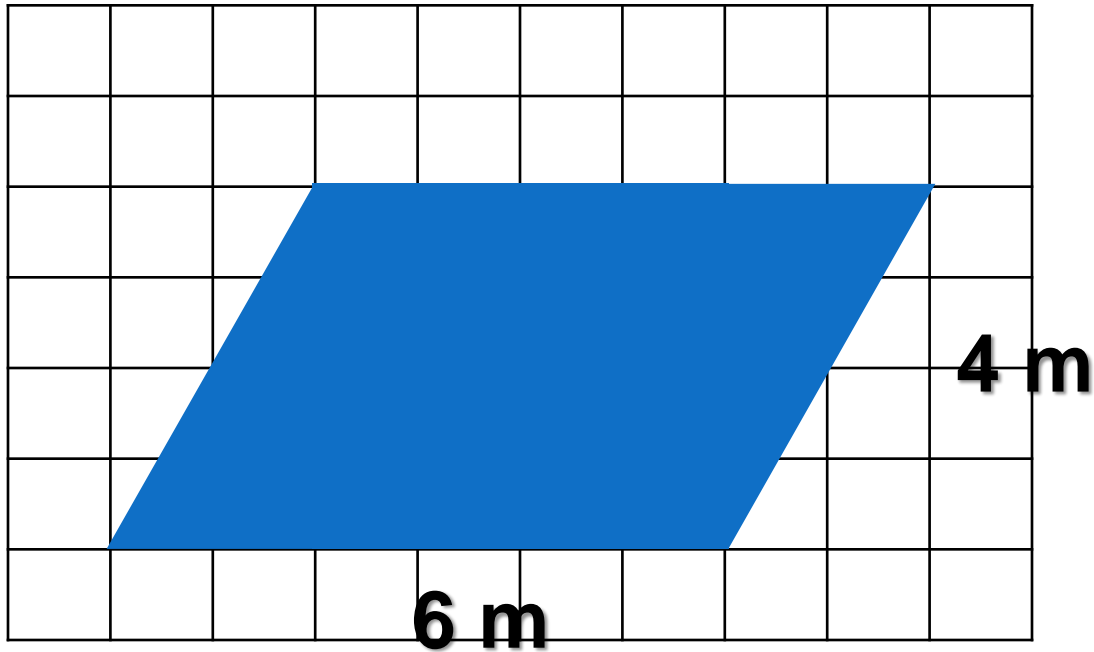
REVIEW

Area of a Rectangle
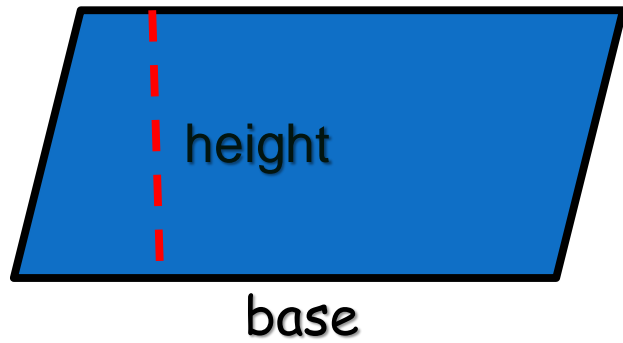

width

length

height

base

Area of a Rectangle

4 m

6 m
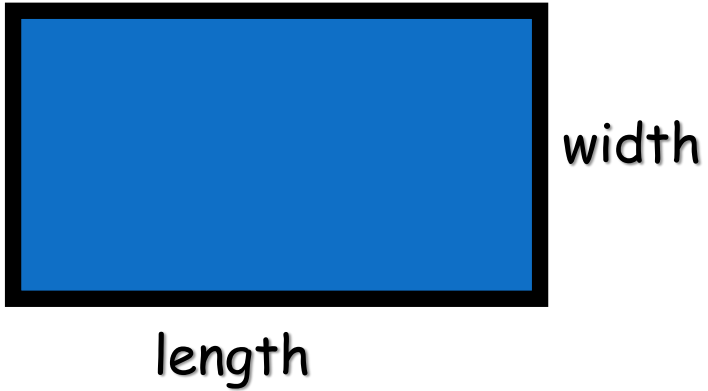
Example

Area of a Parallelogram

4 m

6 m

Area of a Parallelogram

height

base

Practice:

1)

6 cm

10 cm

2)

$1\frac{1}{5}$ cm

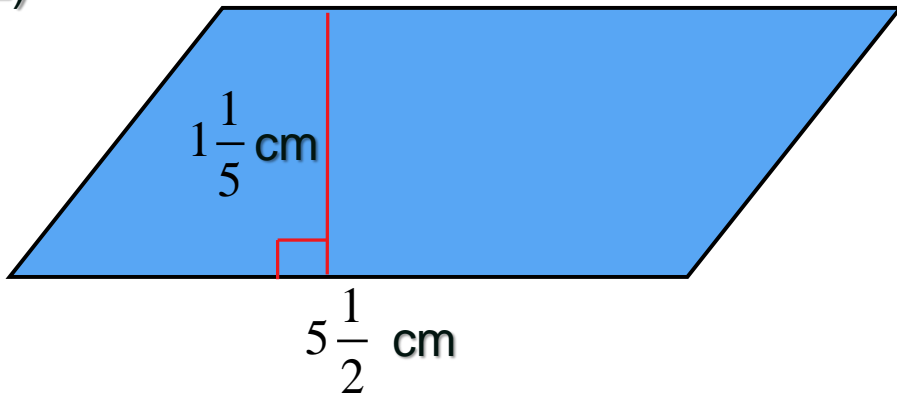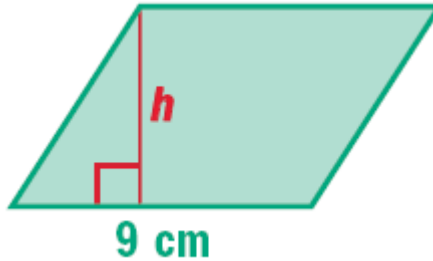$5\frac{1}{2}$ cm
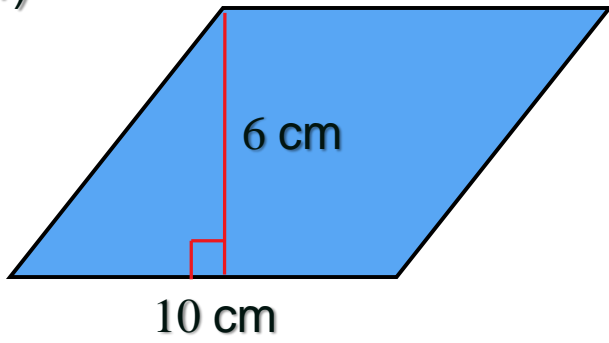
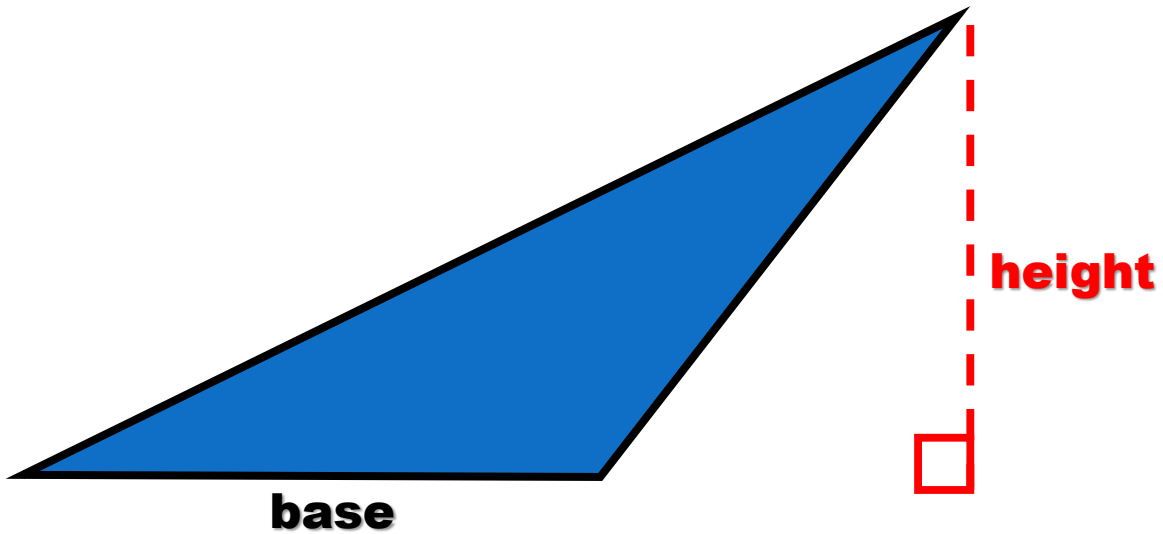3) Make an equation and then solve for the missing value.
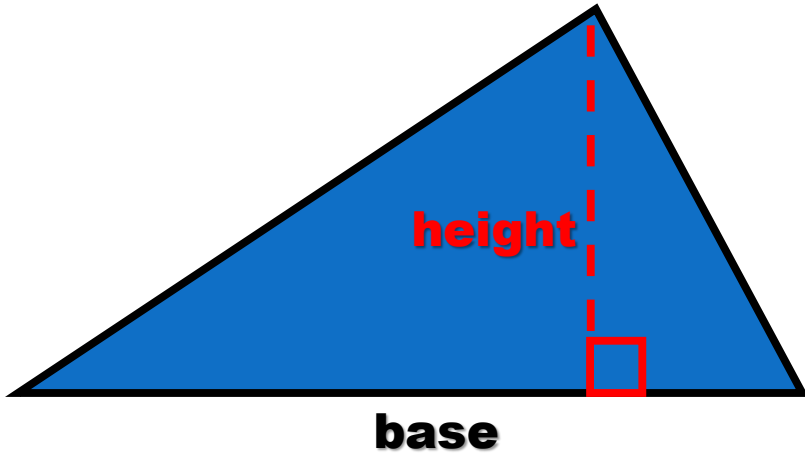
$$A = 54 \text{ cm}^2$$

h

9 cm

4) Make an equation and then solve for the missing value.

A = 36 mm²

4.5 mm

b
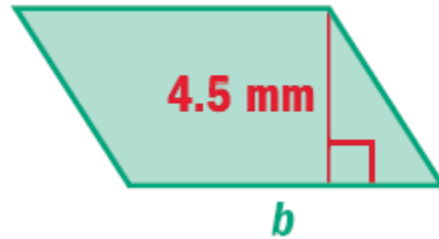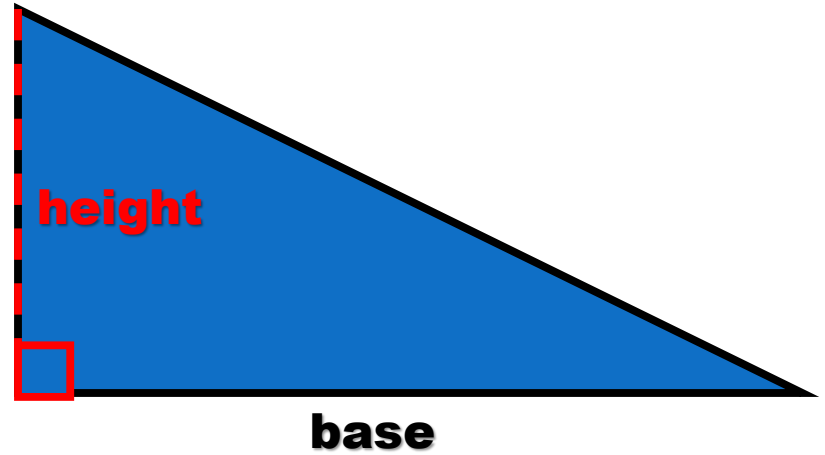
Parts of a Triangle

Example

Area of a Triangle

5 m

8 m

Example

Area of a Triangle

4 m

6 m

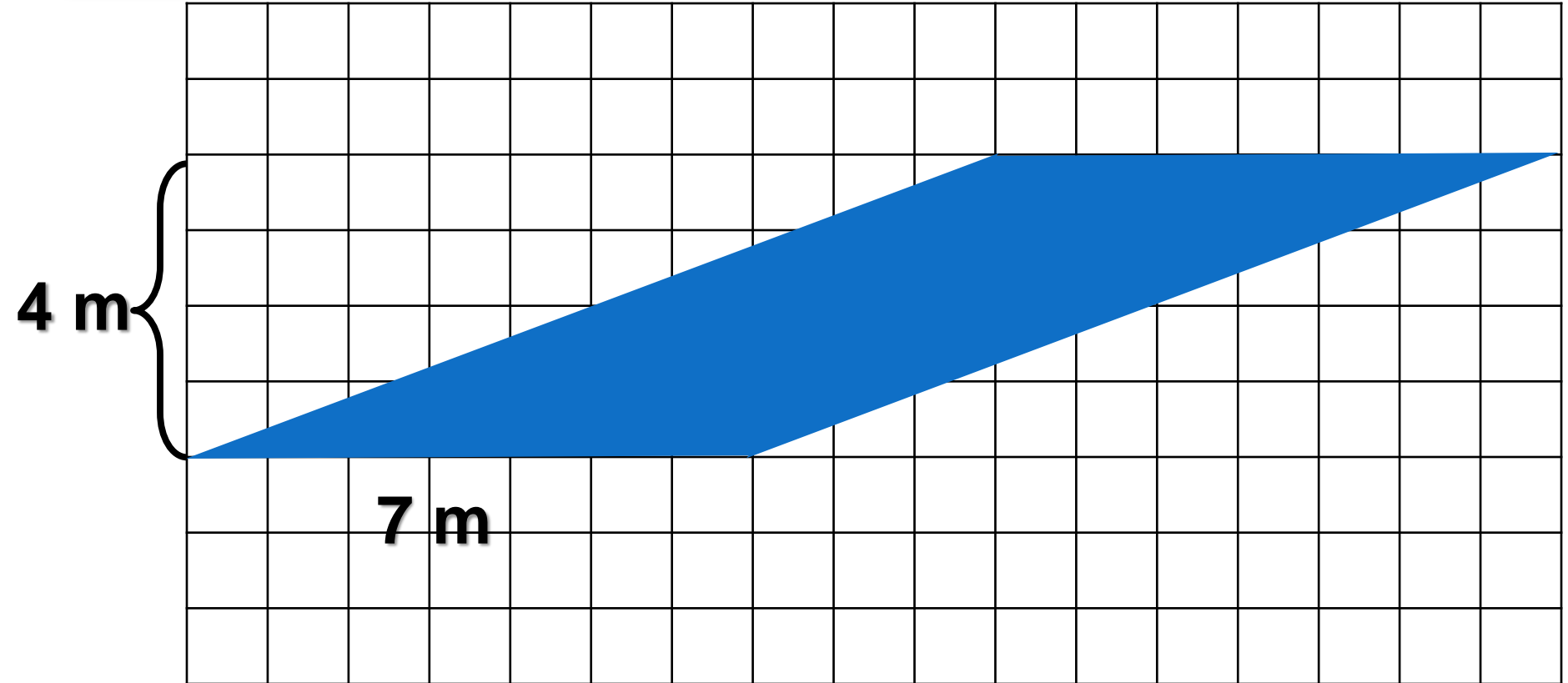# Example

Area of a Triangle

4 m

7 m
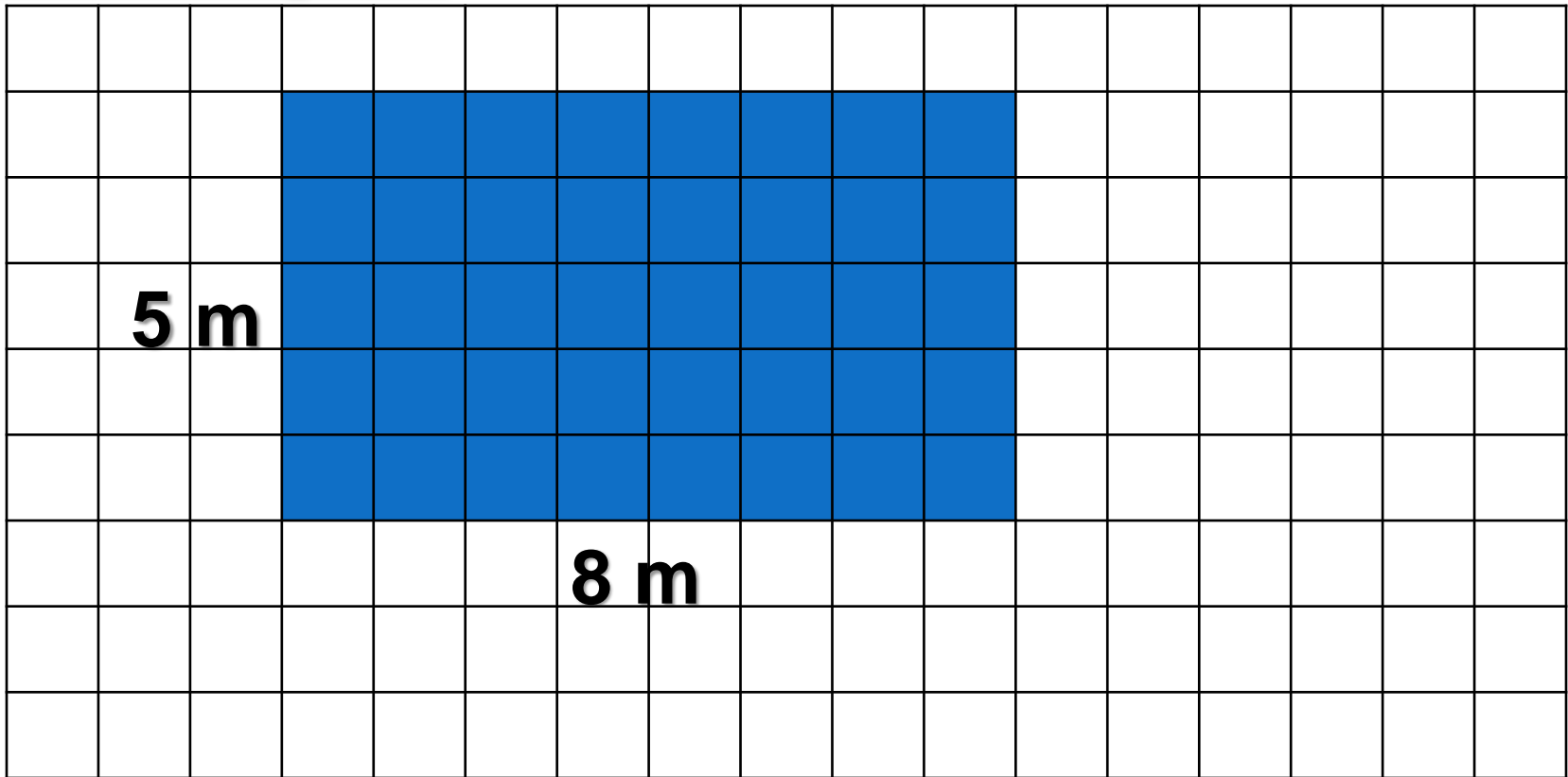
Area Formula of a Triangle

Area of Triangle $=$

Find the area. Show complete work.

1)

3 cm

10 cm

2)

6 cm

14 cm
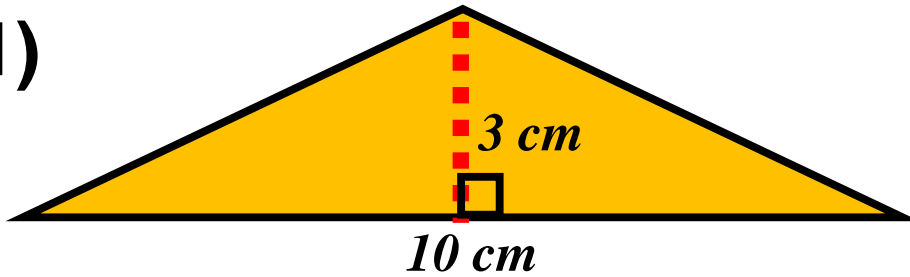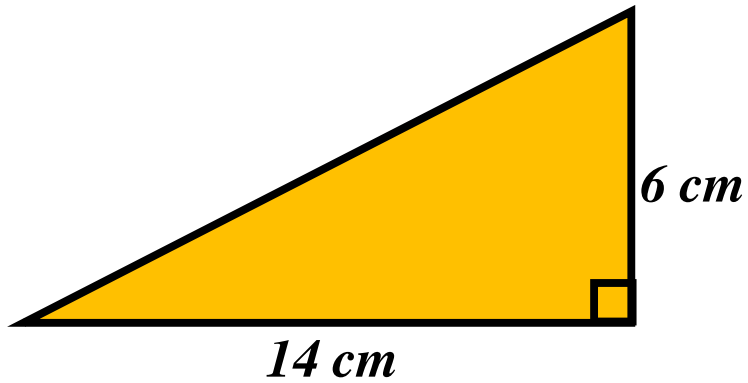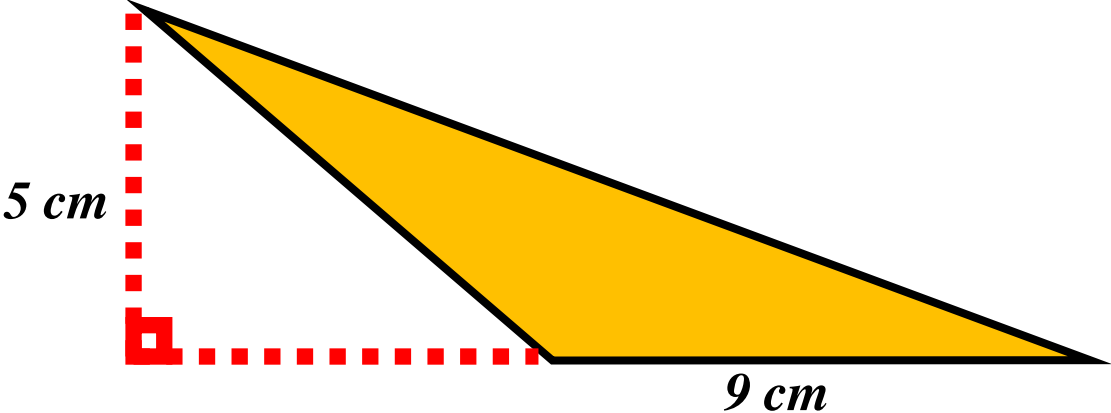
Find the area. Show complete work.

3)

5 cm

9 cm

Review

This is a Trapezoid

Parts of a Trapezoid

Parts of a Trapezoid

AREA FORMULA FOR A TRAPEZOID

b_1

h

b_2
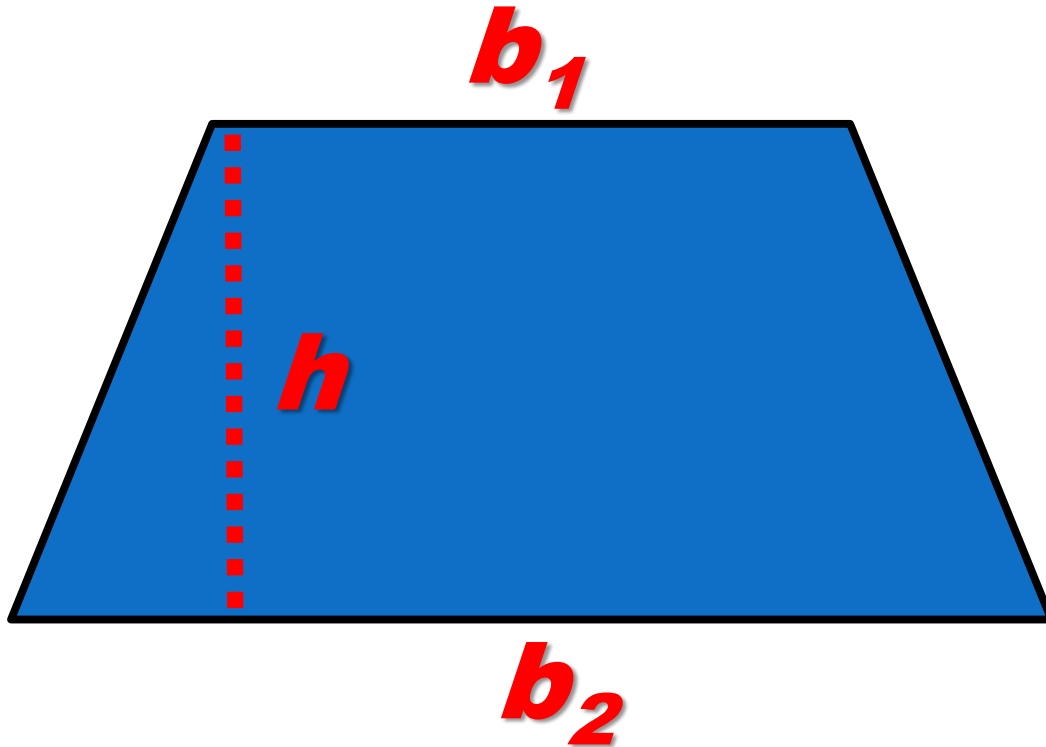
Area =

Example 1: Find the area.

7 m

8 m

11 m

Example 2: Find the area.

7 m

4 m

13 m