4.1 & 4.2

AREA OF PARALLELOGRAMS & TRIANGLES

REVIEW

Area of a Rectangle

width
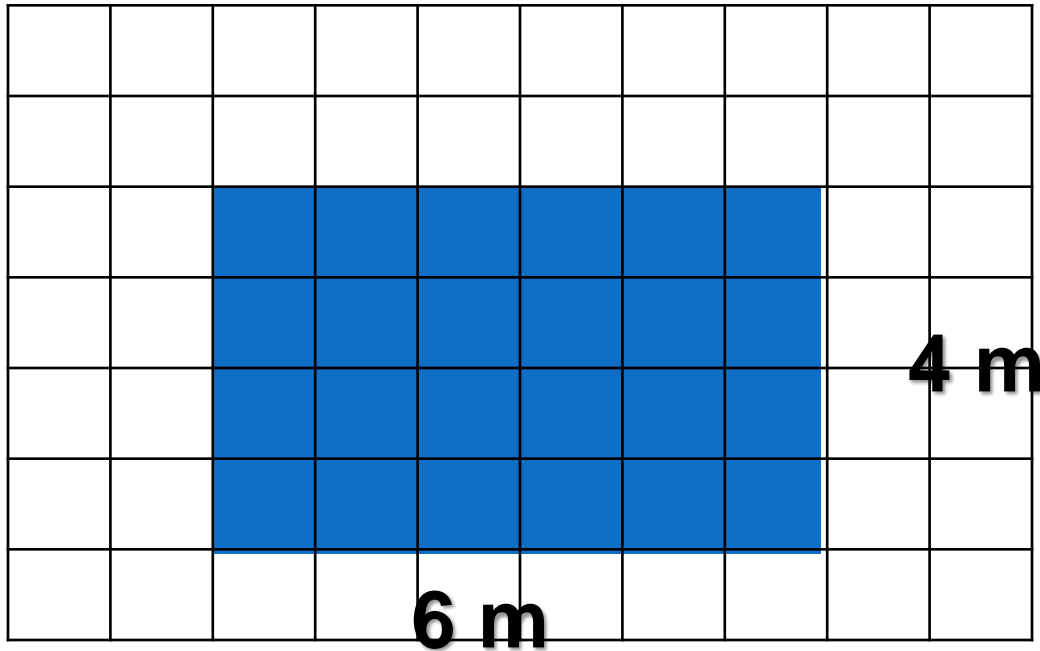
length

height

base

Example

Area of a Rectangle
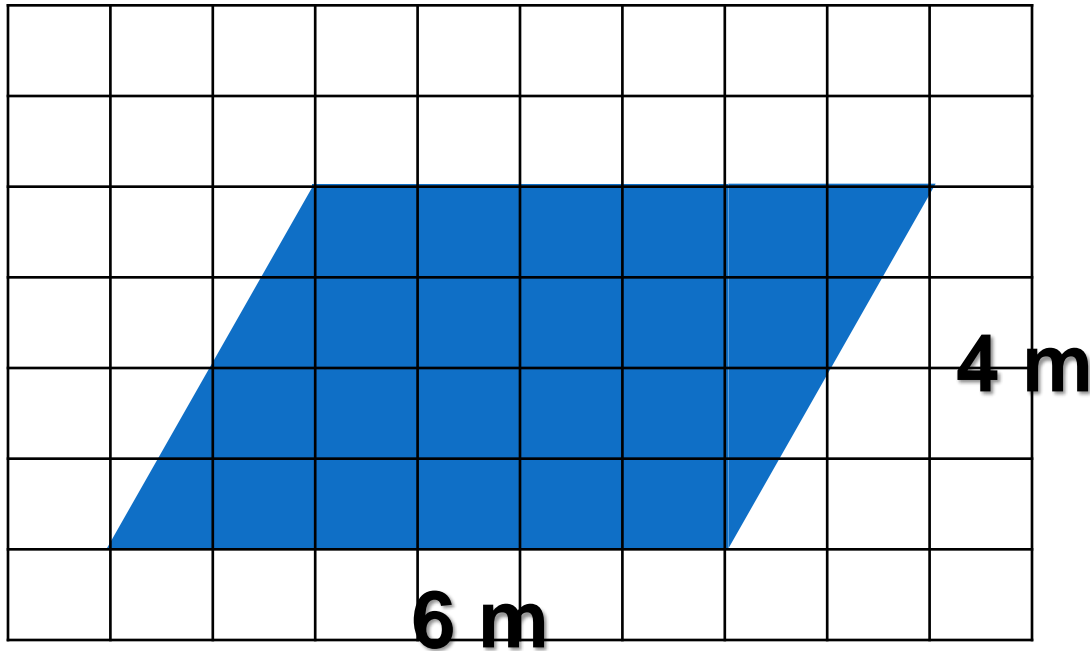
4 m

6 m

A = bh

  = 6 x 4

  = 24 square meters

  = 24 m²

Example

4 m

6 m

A = bh

= 6 x 4

= 24 square meters

= 24 m²

REVIEW

Area of a Parallelogram

height

base

Practice:

1)

6 cm

10 cm

2)

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

$5\frac{1}{2}$ cm
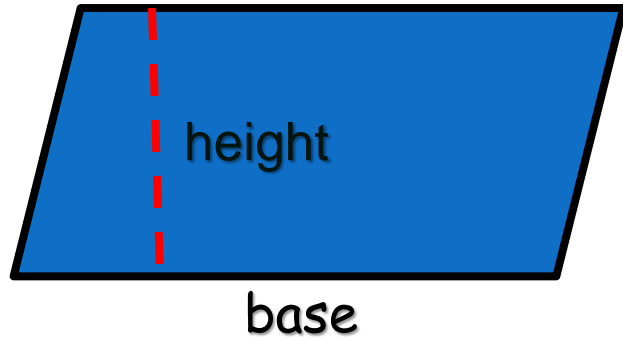
Practice:

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

A = 54 cm²

h

9 cm
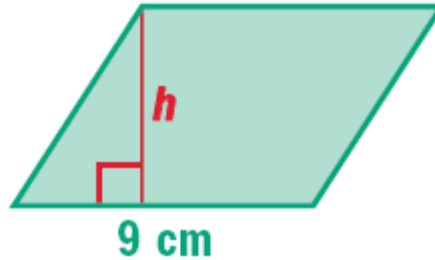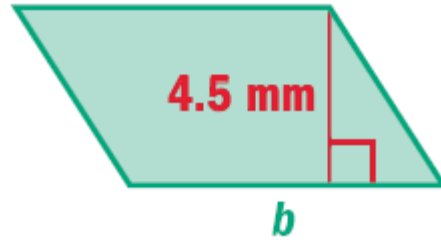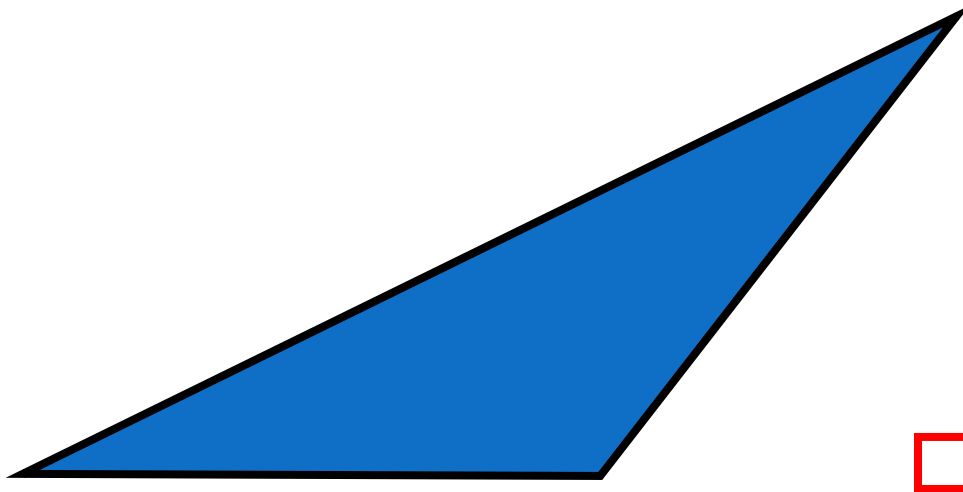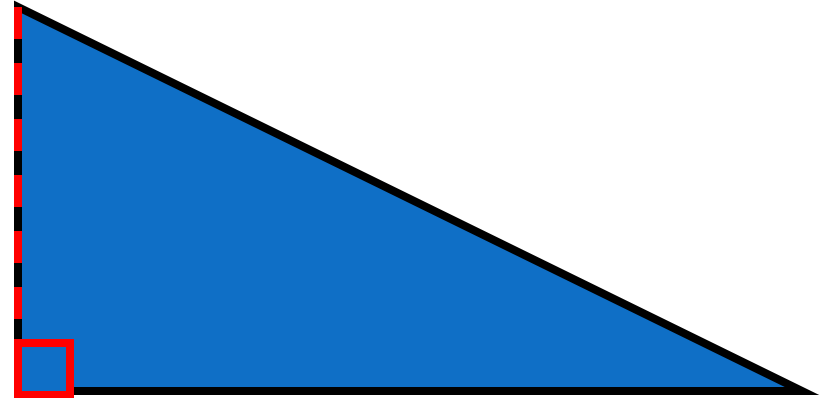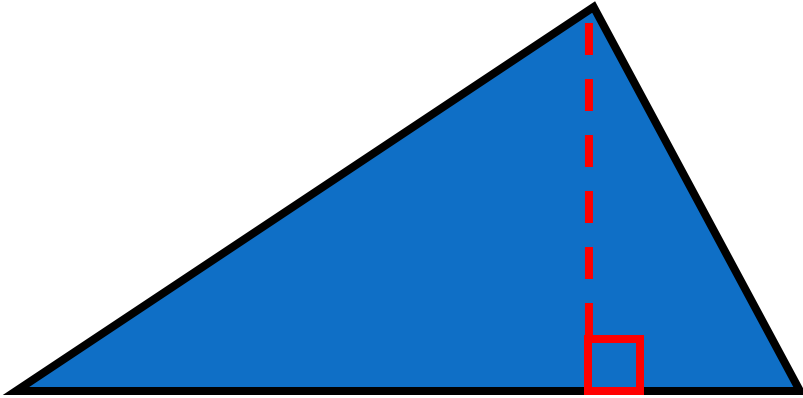
Practice:

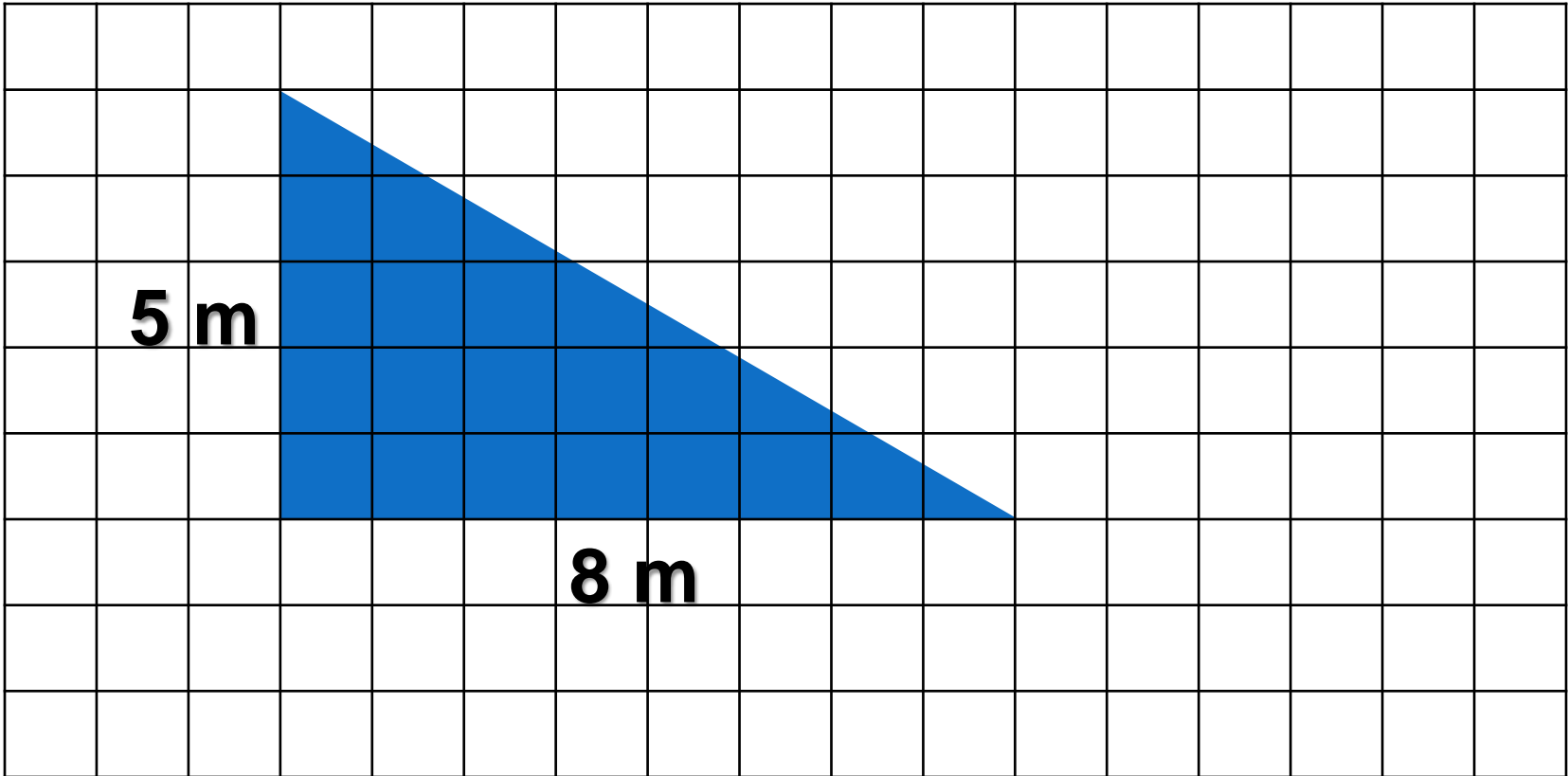4) Make an equation and then solve for the missing value.

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

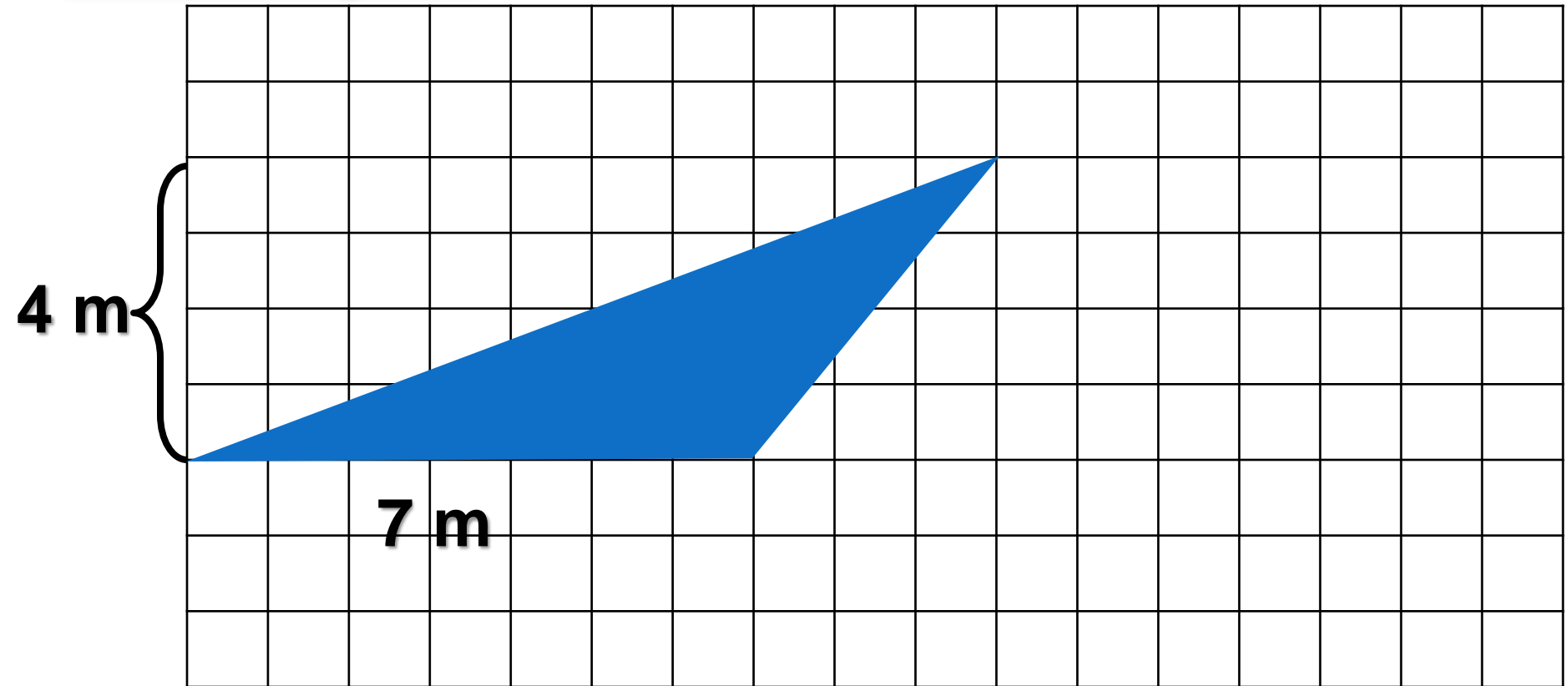# Example

Area of a Triangle

4 m

7 m
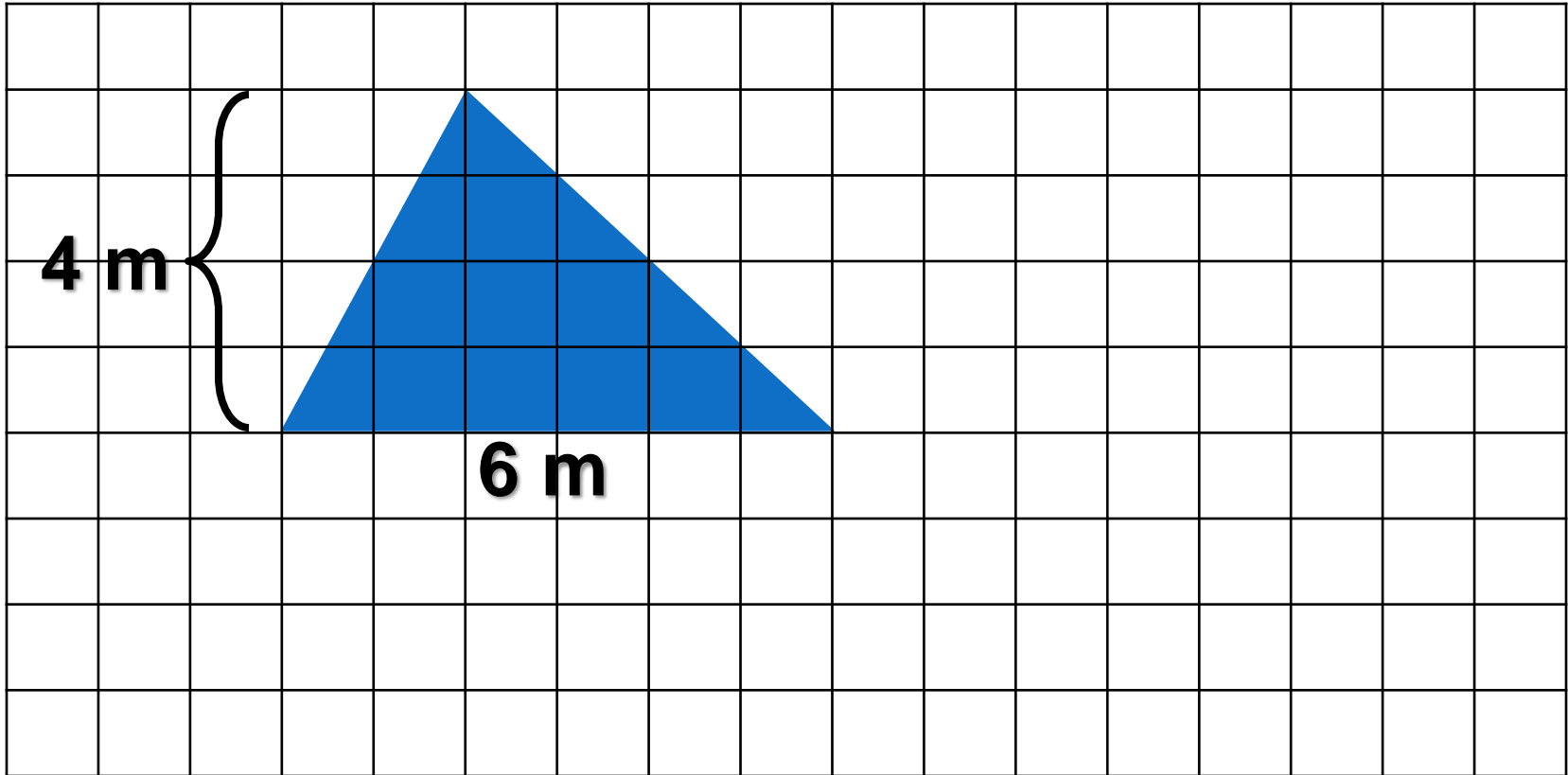
Area Formula of a Triangle

Area of Triangle =

Find the area. Show complete work.

1)

3 cm

10 cm

2)

6 cm

14 cm
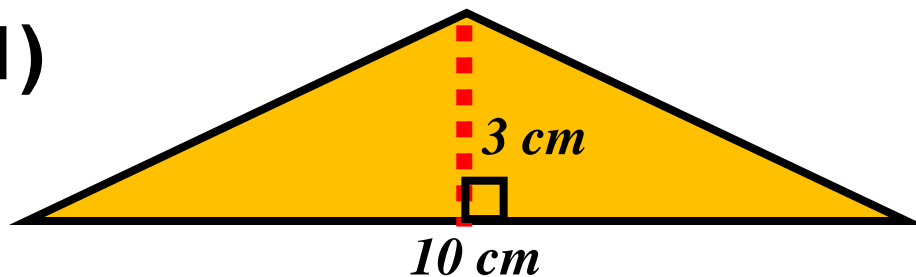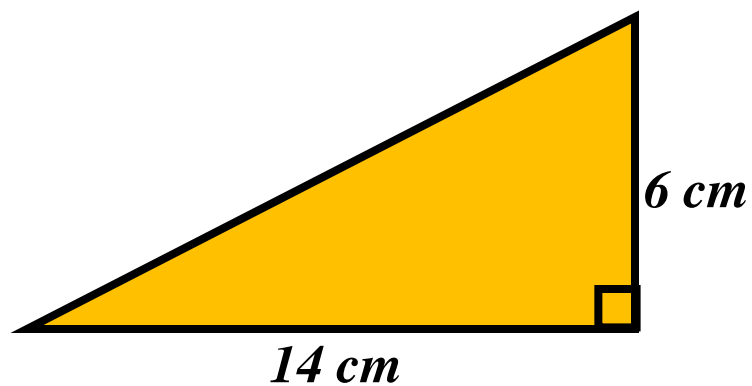
Find the area. Show complete work.

3)

5 cm

9 cm
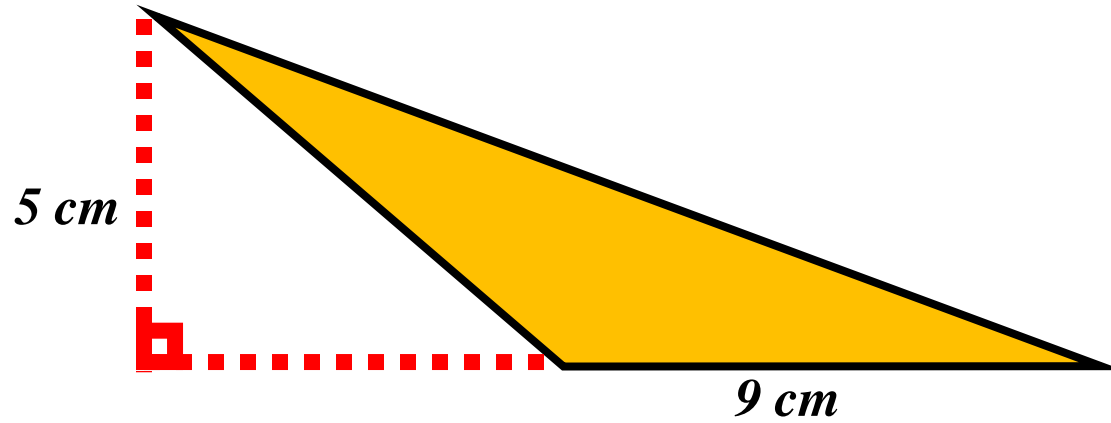
<u>Practice</u>

4) **Find the area of each parallelogram.**

a.

14 m

12 m

b.

$8\frac{1}{2}$ ft

4 ft
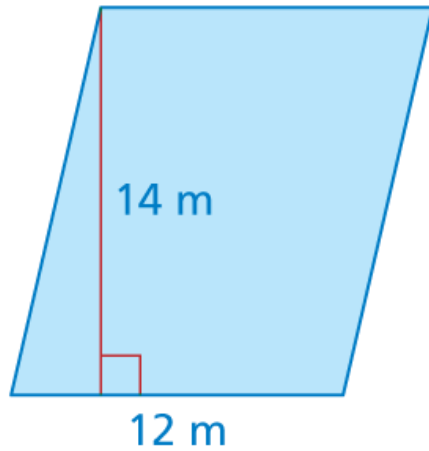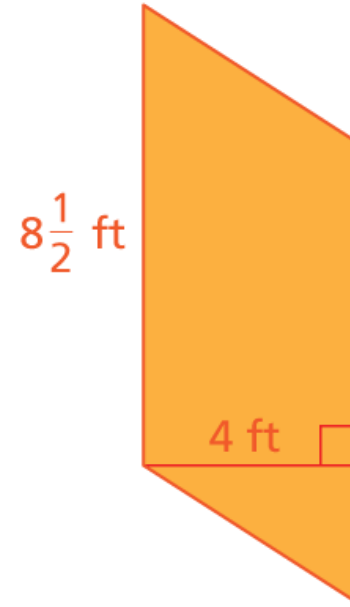
<u>Practice</u>

5)
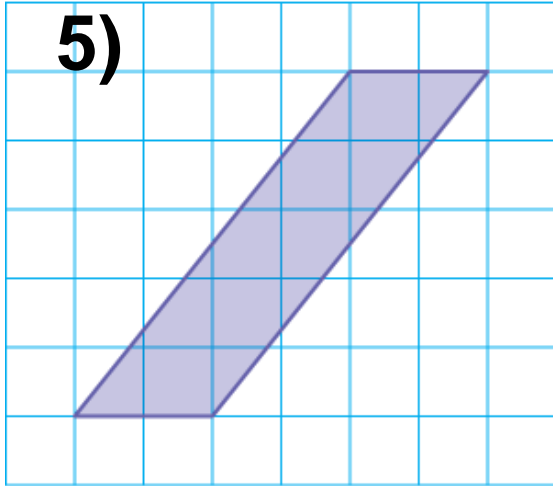
Find the area of the parallelogram.
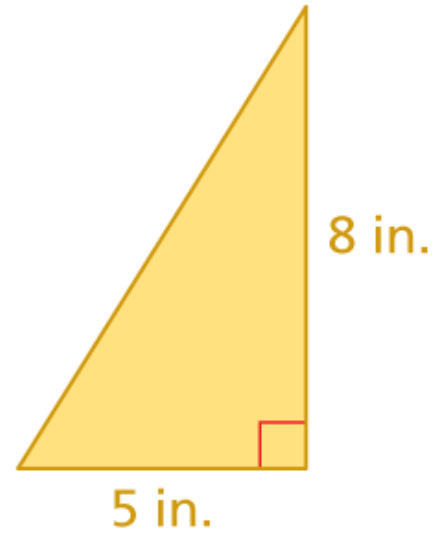
Practice

6)

4 ft

10 in.

8 ft
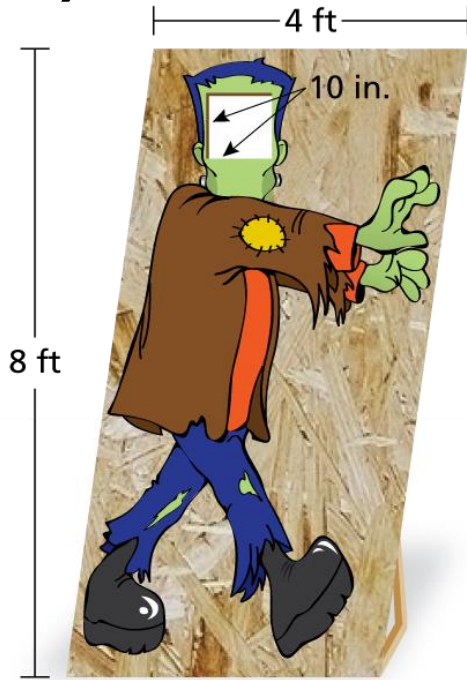
You make a photo prop for a school fair. You cut a 10-inch square out of a parallelogram-shaped piece of wood. What is the area of the photo prop?
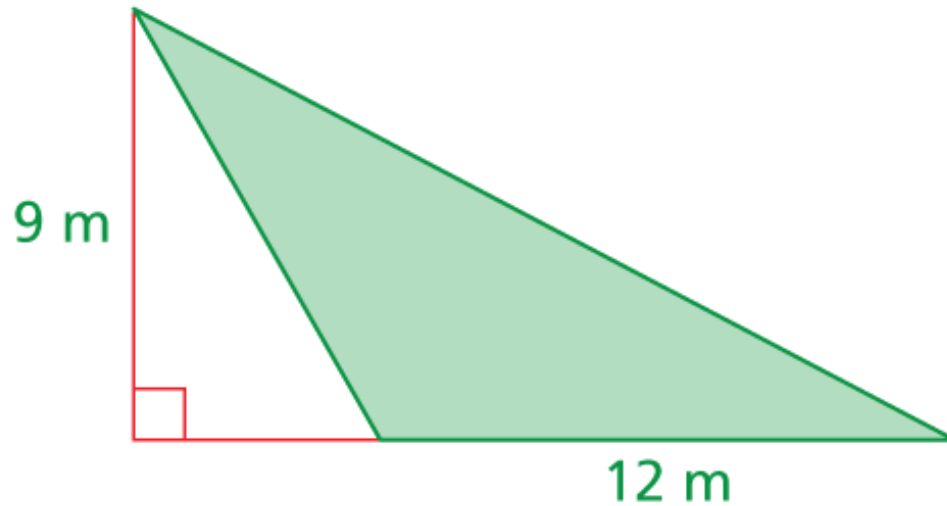
<u>Practice</u>
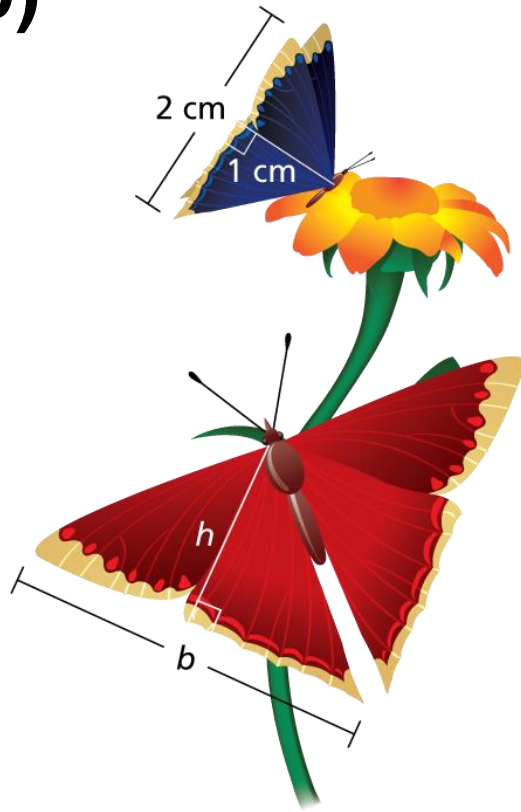
7) **Find the area of the triangle.**

8 in.

5 in.

Practice

8) **Find the area of the triangle.**

9 m

12 m

Practice

9)

The base and height of the red butterfly wing are two times greater than the base and height of the blue butterfly wing. How many times greater is the area of the red wing than the area of the blue wing?