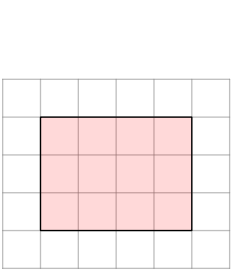
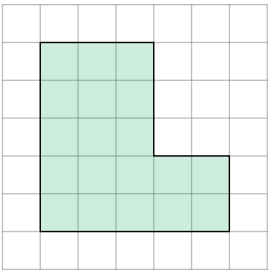
Oppgaver for kapittel 0

0.1.1

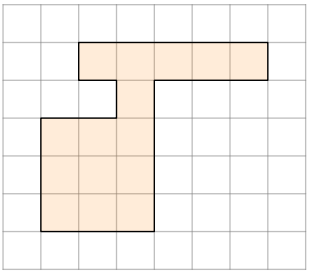
Find the perimeter of the colored figure.



(a)



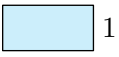
(b)



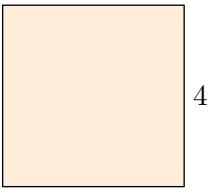
(c)

0.1.2

Calculate the area of the rectangles.



(a)



(b)

(c)

0.1.3

Find the width and height of the rectangle, given that

a) the area is 16 and the perimeter is 20.

b) the area is 12 and the perimeter is 14.

c) the area is 18 and the perimeter is 18.

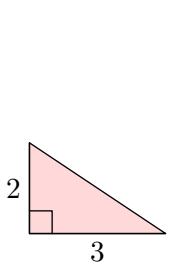
0.1.4

a) Find the area of a square with perimeter 16.

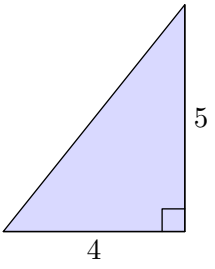
b) Give three examples of rectangles with perimeter 36. Provide the answer by stating the width, height and area of the rectangle.

0.1.5

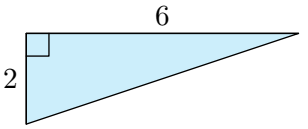
Find the area of the triangle.



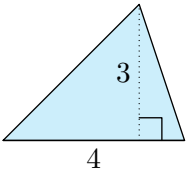
(a)



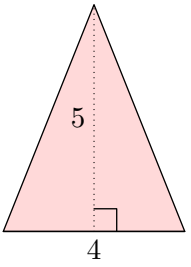
(b)



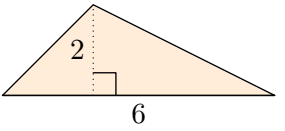
(c)



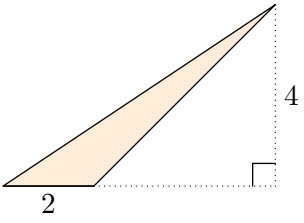
(d)



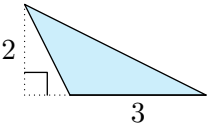
(e)



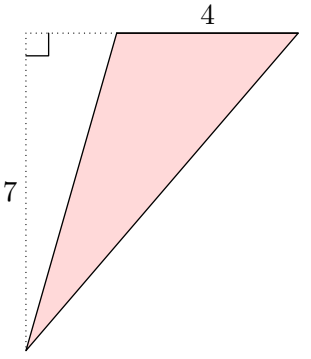
(f)



(g)



(h)



(i)

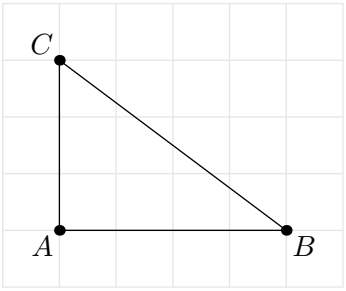
0.1.6

A prism has length 9, width 10 and height 8.

a) Find the base area of the prism.

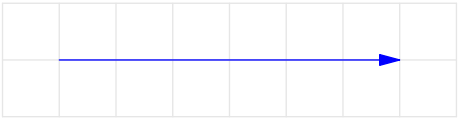
b) Find the volume of the prism.

0.2.1

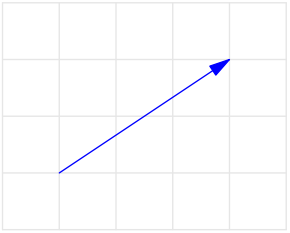


Shift the triangle with the vector shown.

a)



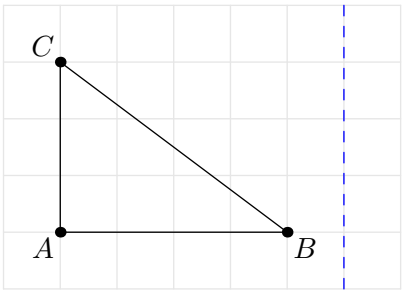
b)



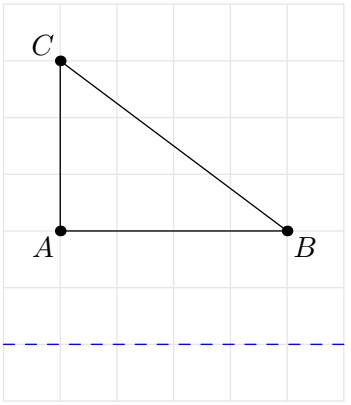
0.2.2

Mirror the triangle about the dashed line.

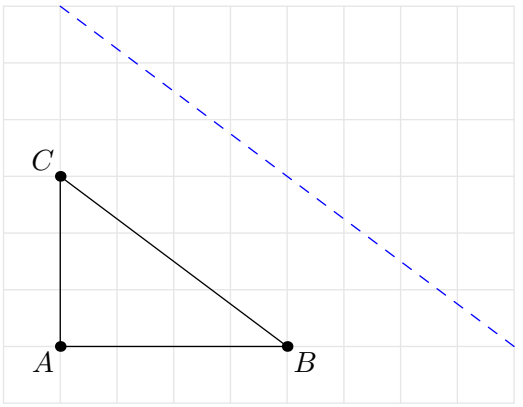
a)



b)



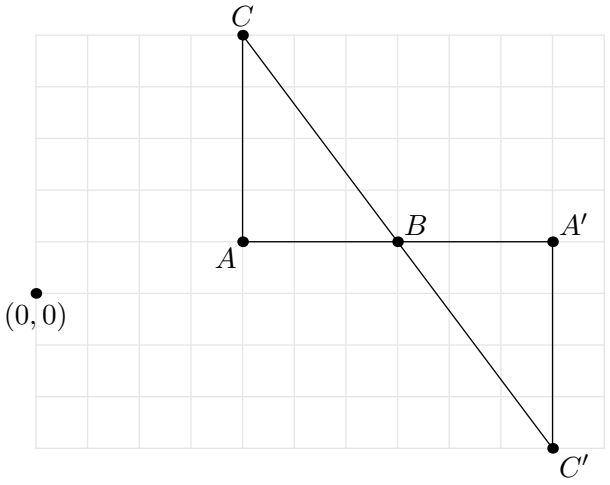
c)



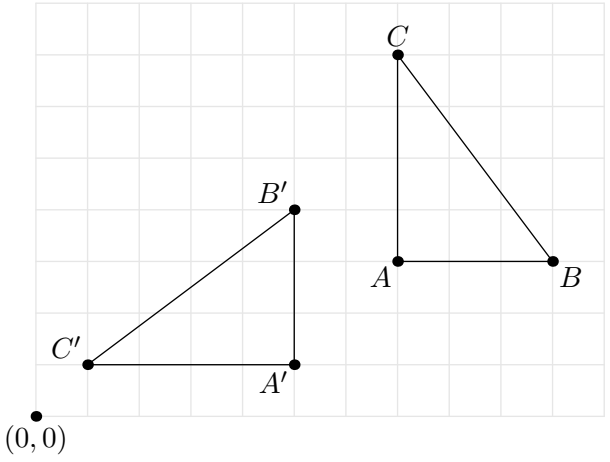
0.2.3

Find the angle and point of rotation.

a)



b)



Gruble 1

a) Explain why the perimeter of a rectangle is always an even number.

b) "If both the width and height of a rectangle is an odd number, there is no way the area and the perimeter of the rectangle can have the same value."

Explain why the proposition is correct/uncorrect.

c) What is the side length of the only square with area and perimeter of equal value?

Gruble 2

$\square ABCD$ is a square and $\triangle DEC$ is equilateral. Find the value of v.