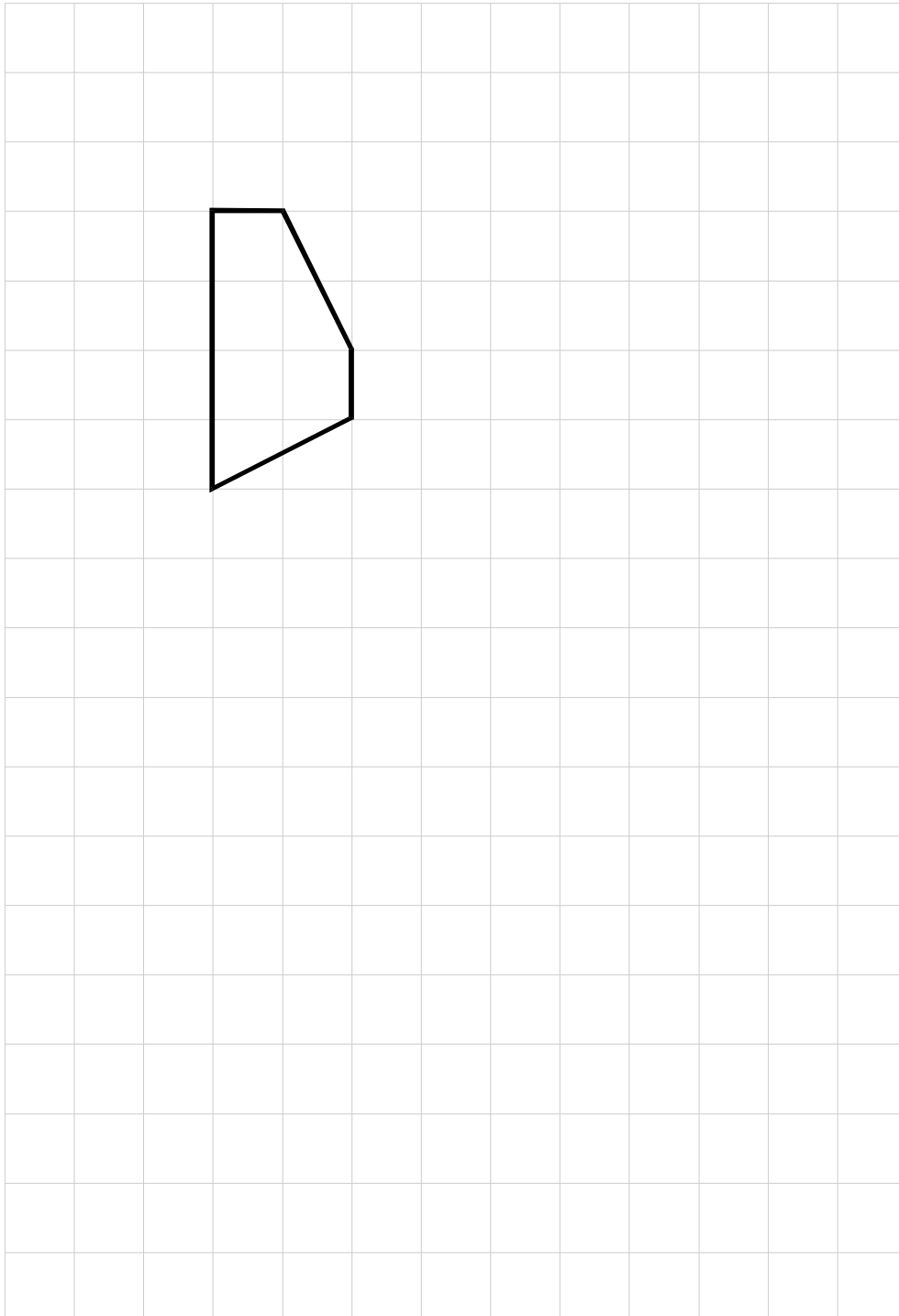


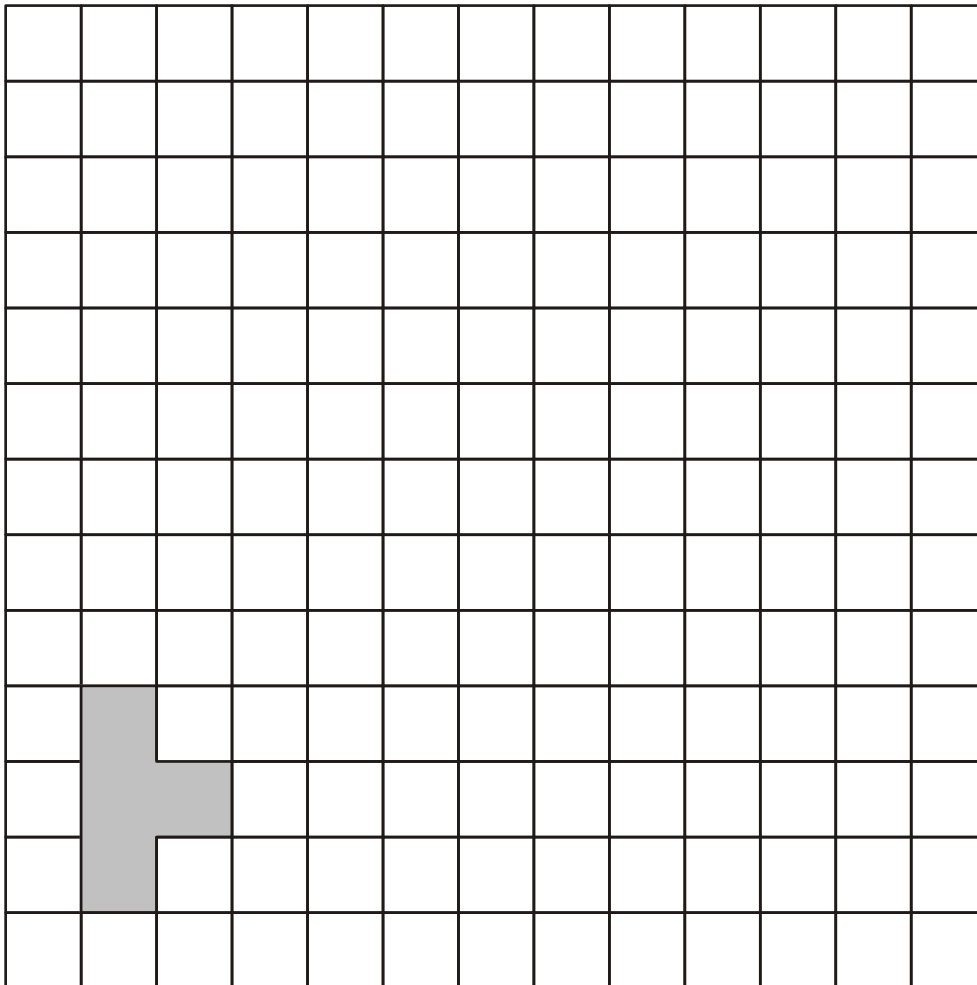
**Enlargements and Scale Factors Homework**

1. Enlarge the shape by a scale factor of 3.



**(Total 2 marks)**

2. (a) Enlarge the shaded shape by a scale factor of 3.



(2)

- (b) How many times bigger is the area of the enlarged shape than the area of the small shape?

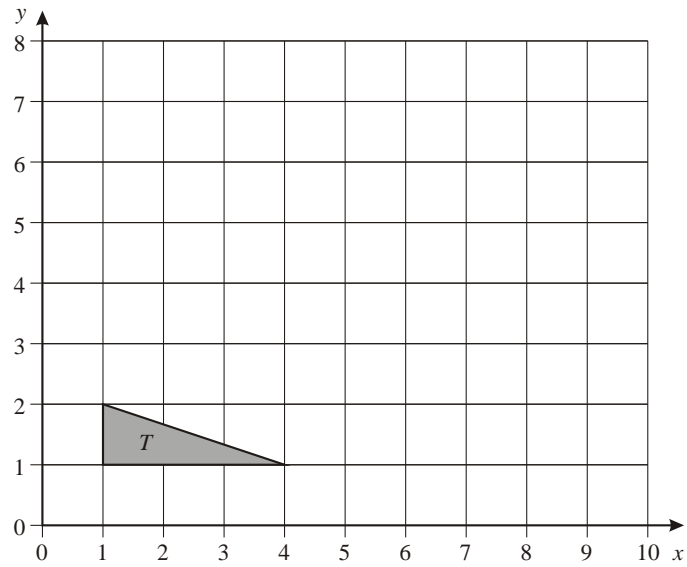
.....  
.....  
.....

Answer .....

(2)

(Total 4 marks)

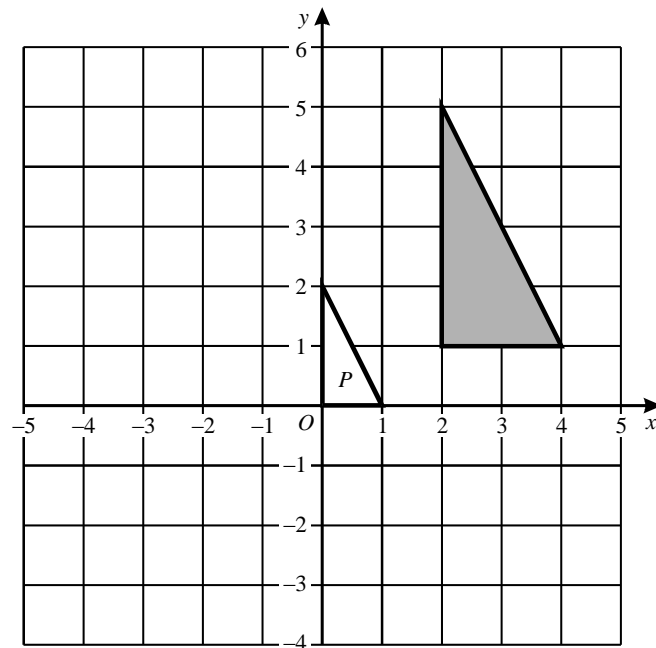
3. The vertices of triangle  $T$  are  $(1, 1)$ ,  $(1, 2)$  and  $(4, 1)$ .



Enlarge triangle  $T$  by scale factor 2, with  $(0, 0)$  as the centre of enlargement.

(Total 3 marks)

4. The shaded triangle is an enlargement of triangle  $P$ .



- (a) What is the scale factor of the enlargement? Answer .....

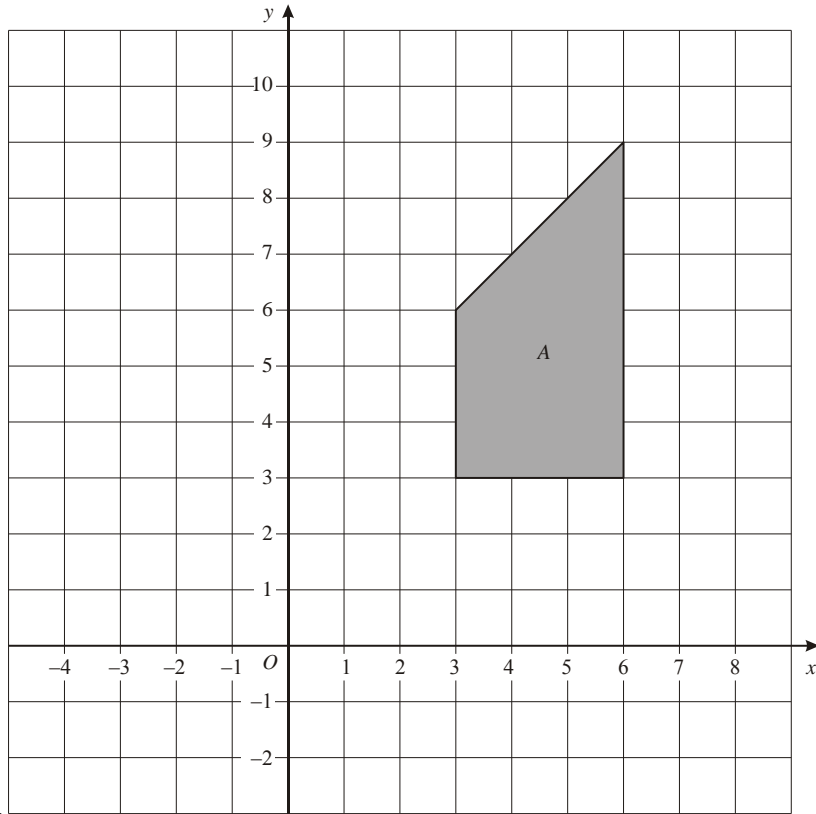
(1)

- (b) What is the centre of enlargement? Answer (....., .....) )

(1)

(Total 2 marks)

5. The diagram shows shape



A.

Draw the enlargement of shape  $A$  with scale factor  $\frac{1}{3}$  and centre of enlargement  $(0,0)$ .

(Total 2 marks)