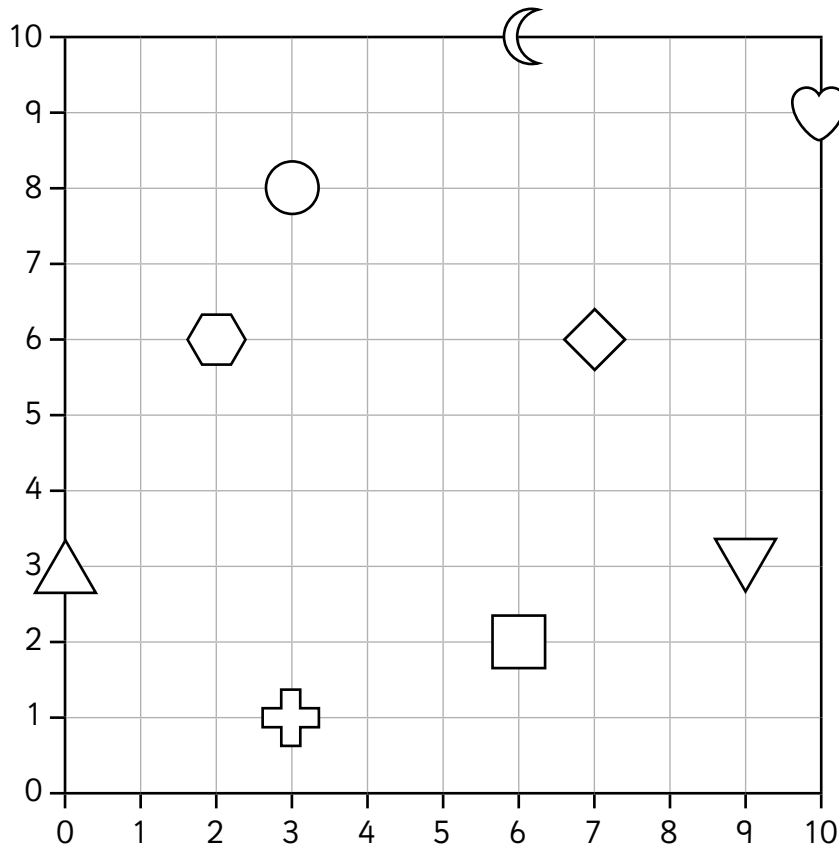
















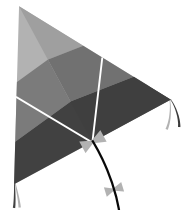


# Translations



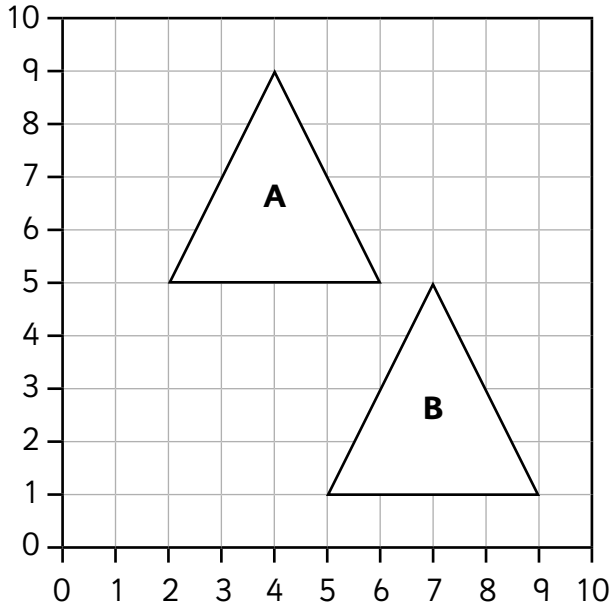
**Task 1 – Describe the translations** between the following shapes.  
The first one has been done for you.

- a)  to  =  right / left,  up / down
- b)  to  =  right / left,  up / down
- c)  to  =  right / left,  up / down
- d)  to  =  right / left,  up / down
- e)  to  =  right / left,  up / down
- f)  to  =  right / left,  up / down
- g)  to  =  right / left,  up / down
- h)  to  =  right / left,  up / down



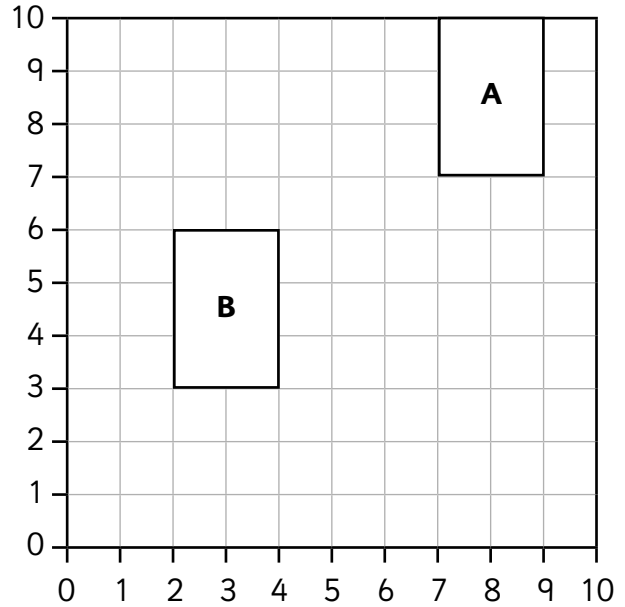
# Translations

**Task 2** – These shapes have been moved from A to B. Can you describe the translation?  
**Focus on one vertex of shape A and follow it to the same vertex of shape B.**



Translation =

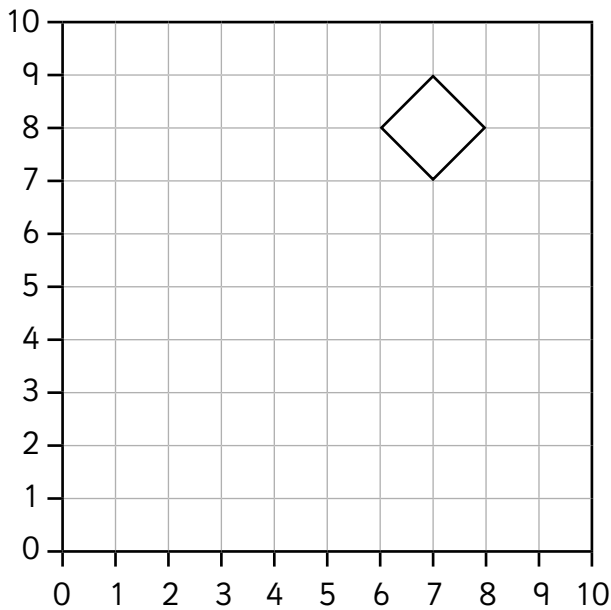
.....



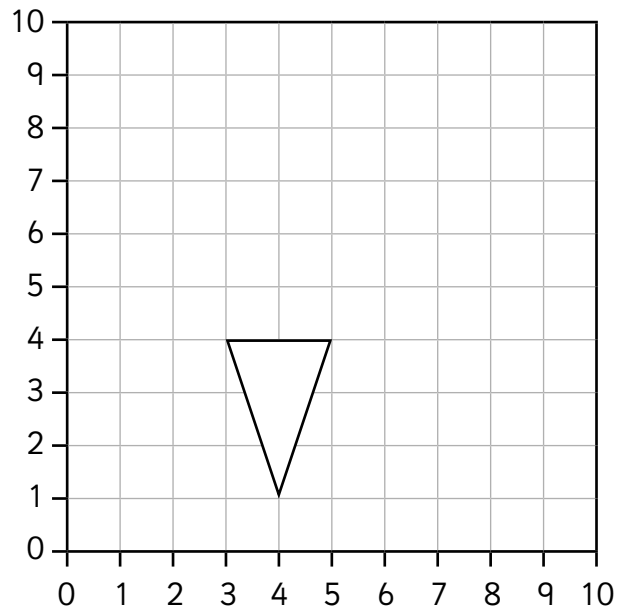
Translation =

.....

**Task 3** – Follow the instructions to translate these shapes: **Hint: Translate one vertex at a time.**



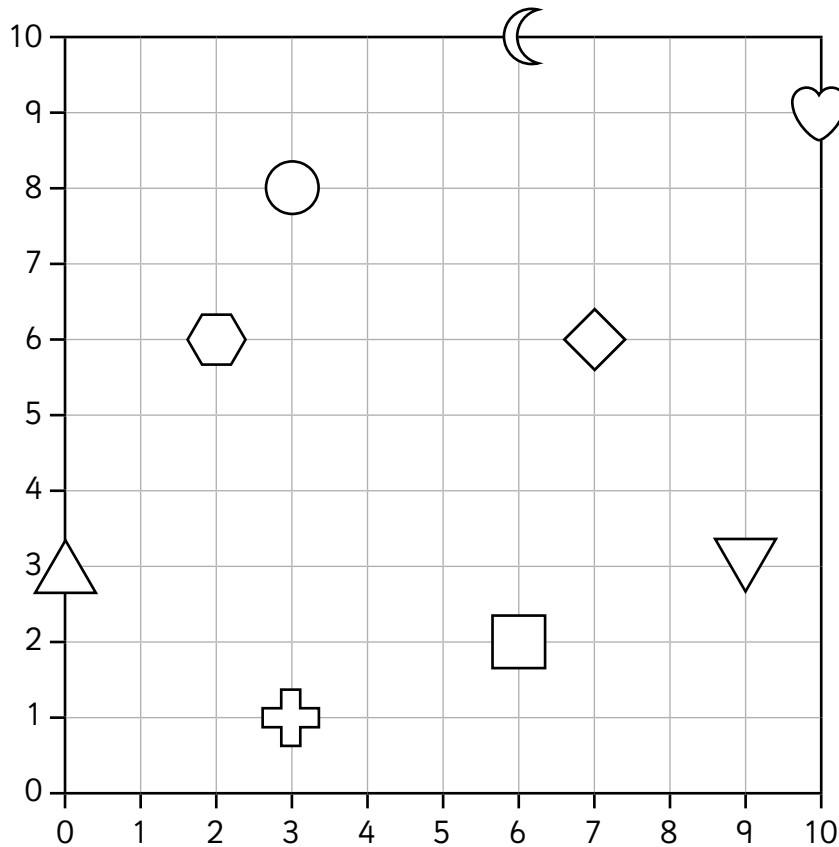
a) Translate the square **3 left, 2 down**.  
**Draw the new shape on the grid.**



















b) Translate the triangle **4 right, 1 up**.  
**Draw the new shape on the grid.**

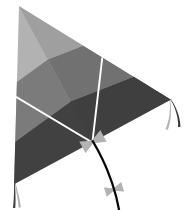
# Translations

## Answers



**Task 1 – Describe the translations** between the following shapes.  
The first one has been done for you.

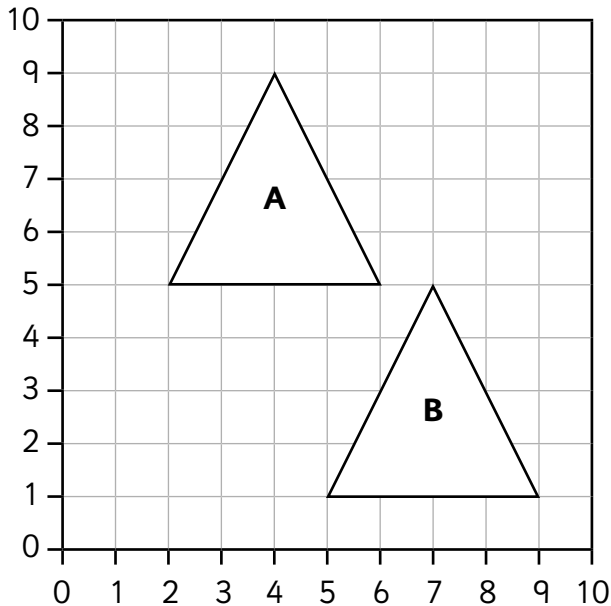
- a)  to  =  right / left,  up / down
- b)  to  =  ~~right~~ / left,  ~~up~~ / down
- c)  to  =  right / ~~left~~,  ~~up~~ / down
- d)  to  =  ~~right~~ / left,  ~~up~~ / down
- e)  to  =  ~~right~~ / left,  ~~up~~ / down
- f)  to  =  ~~right~~ / left,  up / ~~down~~
- g)  to  =  right / ~~left~~,  up / ~~down~~
- h)  to  =  ~~right~~ / left,  up / ~~down~~



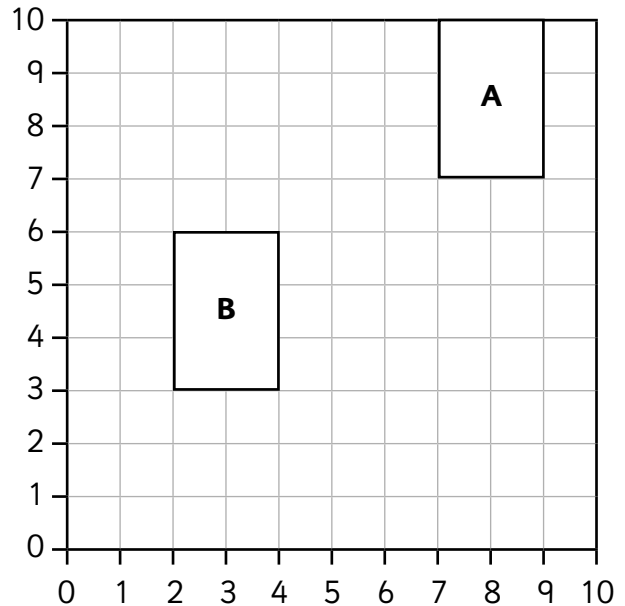
# Translations

## Answers

**Task 2** – These shapes have been moved from A to B. Can you describe the translation?  
**Focus on one vertex of shape A and follow it to the same vertex of shape B.**

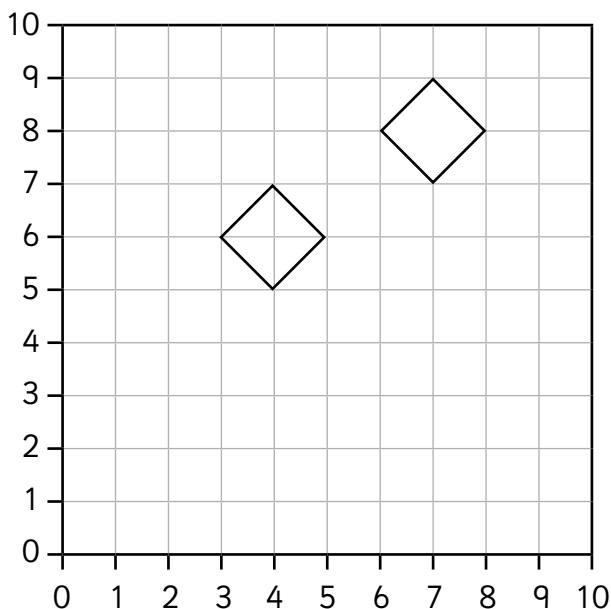


Translation =  
3 right, 4 down

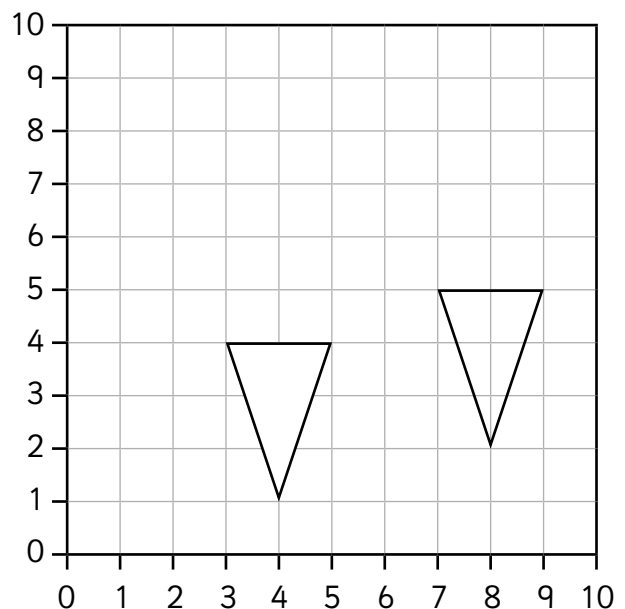


Translation =  
5 left, 4 down

**Task 3** – Follow the instructions to translate these shapes: **Hint: Translate one vertex at a time.**



a) Translate the square **3 left, 2 down**.  
**Draw the new shape on the grid.**



b) Translate the triangle **4 right, 1 up**.  
**Draw the new shape on the grid.**