Worksheet 5

Describing Movements

1 A parallelogram is drawn on a square grid.
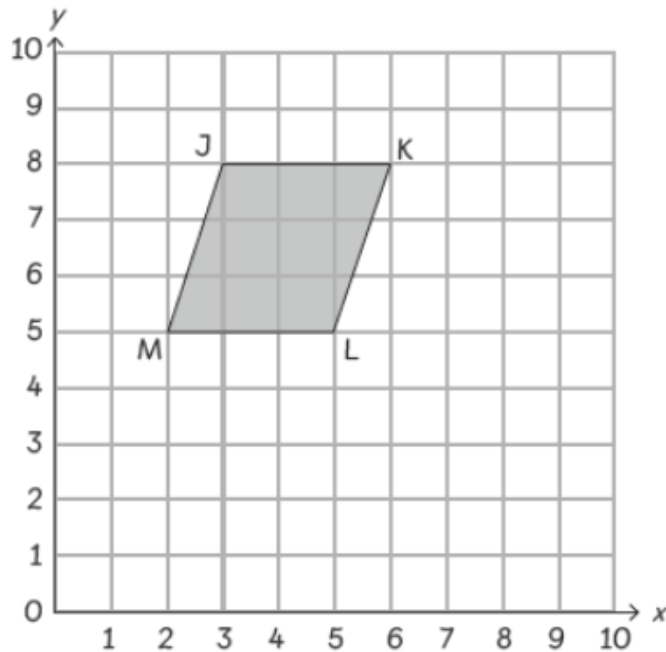
Describe the translation of parallelogram JKLM that results in:

(a) Point J moving to (4,7):

1 unit to right and 1 unit downwards

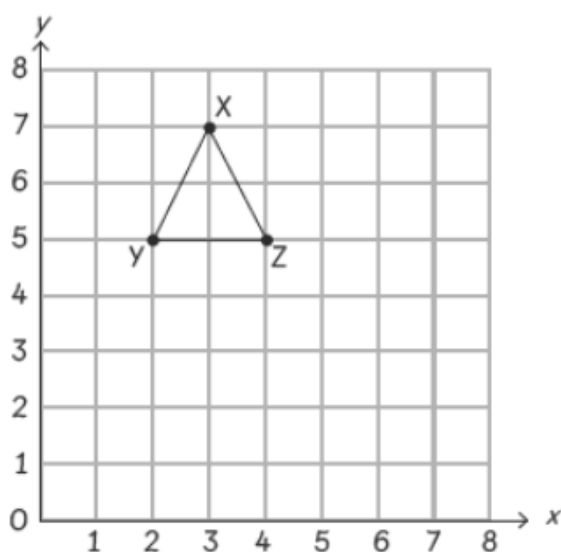(b) Point K moving to (10,4):

4 units right and 4 units downwards

(c)   Point L moving to (10,0):

> 5 units right then 5 units downwards

(d)   Point M moving to (5,2):

> 3 units right then 3 units downwards

2 A triangle is drawn on a square grid.

Describe two different translations which move the triangle XYZ so that one of its vertices ends up at (6,3).

(a)

> 2 units to the right then 2 units downwards

(b)

> 4 units to the right then 2 units downwards OR
> 3 units to the right then 4 units downwards