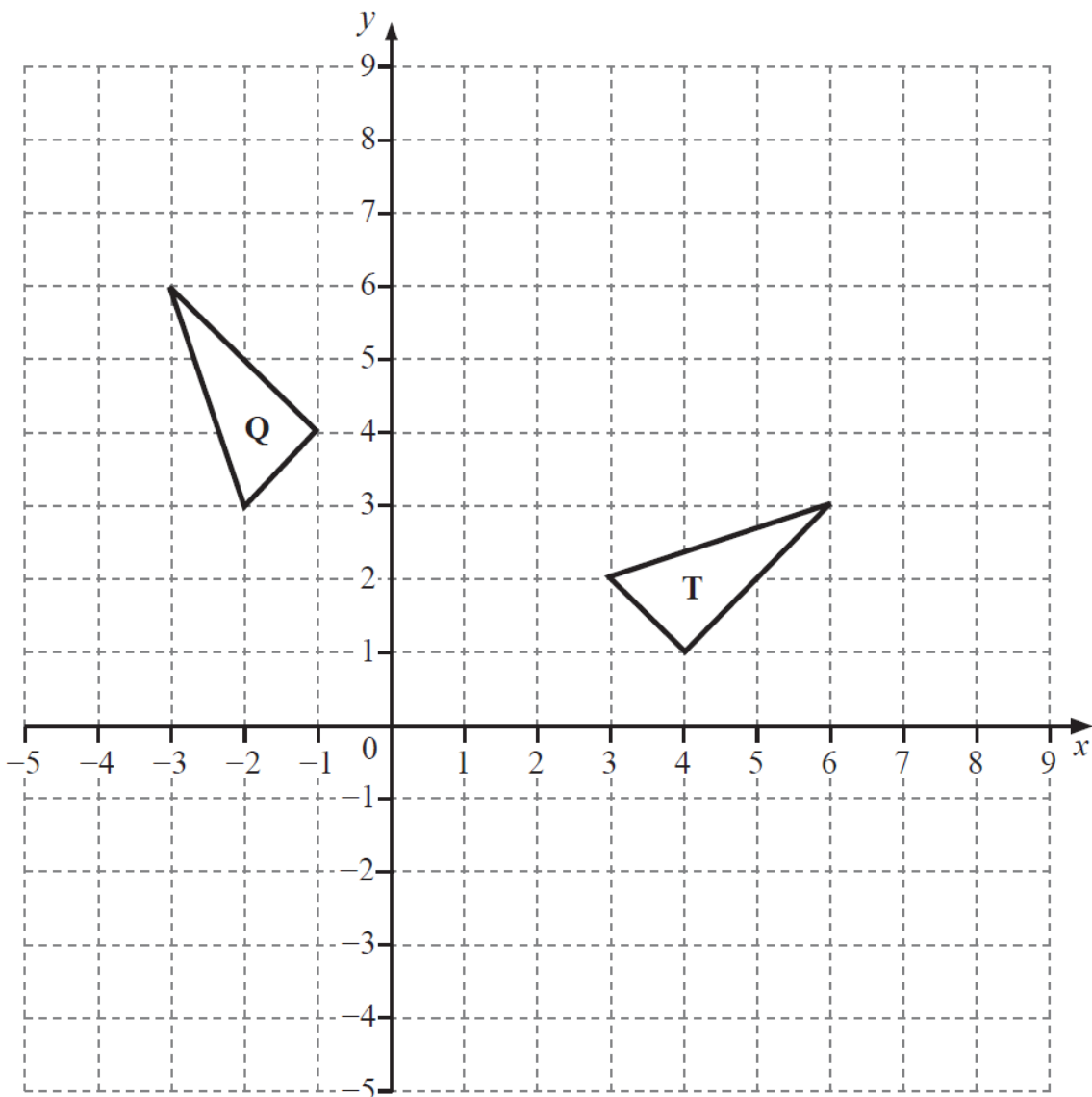


M8 = 19 days to go!

1



(a) Describe fully the **single** transformation which maps triangle **T** onto triangle **Q**.

Answer _____ [3]

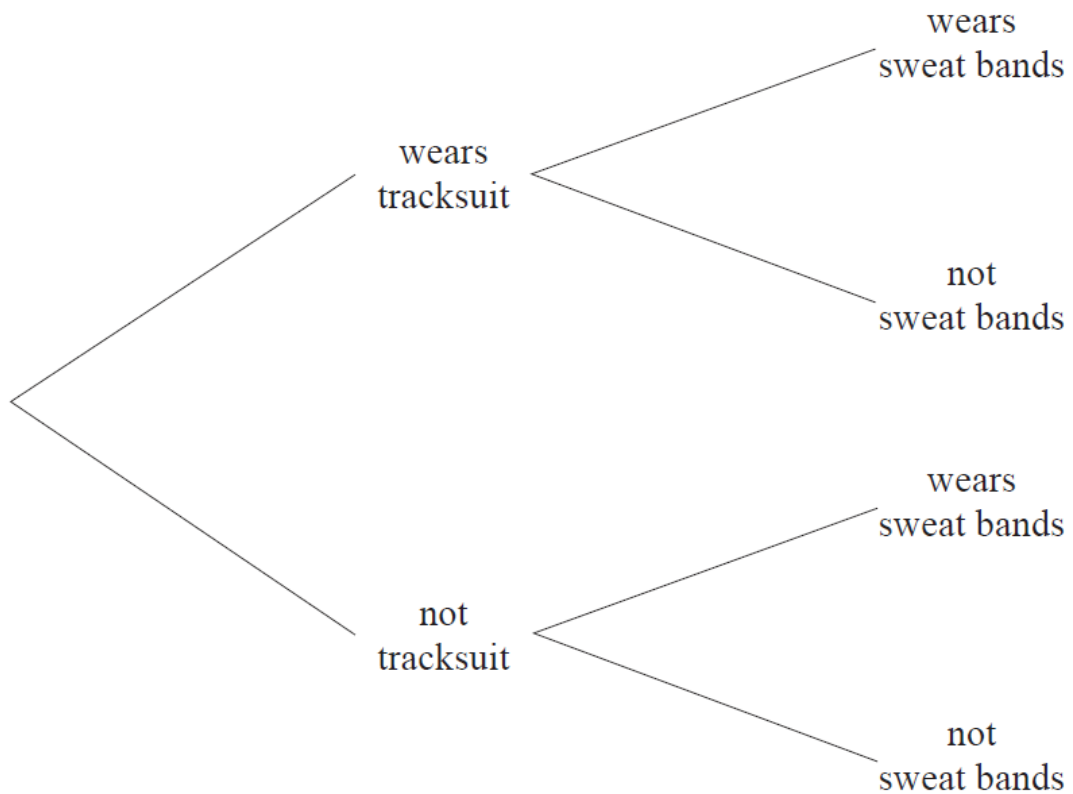
(b) On the grid, draw the image of triangle **T** after a translation $\begin{pmatrix} 2 \\ -5 \end{pmatrix}$. [2]

7 When Jan goes to the gym, the probability that she wears a tracksuit is $\frac{3}{4}$

When she wears a tracksuit, the probability that she wears sweat bands is $\frac{4}{5}$

When she does not wear a tracksuit, the probability that she wears sweat bands is $\frac{3}{5}$

(a) Complete the tree diagram.



[3]

(b) Calculate the probability that Jan does not wear sweat bands.

Answer _____ [2]