$1128=\% 9$ denys to go l

1

(a) Describe fully the single transformation which maps triangle $\mathbf{T}$ onto triangle $\mathbf{Q}$.

Answer $\frac{\text { Rotation } 90 \text { anticlockwise around }(0,0)}{15}$
(b) On the grid, draw the image of triangle $\mathbf{T}$ after a translation $\binom{2}{-5}$.
[2]

$$
\binom{2}{-5} \quad \overleftrightarrow{~} \quad \begin{aligned}
& 2 \vec{~} \\
& 5 \downarrow
\end{aligned}
$$

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.

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


$$
\frac{3}{20}
$$

$$
t \quad \frac{2}{20}
$$

Answer $\qquad$ [2]

