Factorise

\( x^2 - y^2 \)

(a) Complete the cumulative frequency column in the table.

(b) Draw a cumulative frequency graph for this information.

M is the midpoint of AB

Line 1 has gradient 4 and passes through the point (3, 10).

What is its equation?

Find the vector \( \overrightarrow{AB} \)

Write down the equation of a line perpendicular to line 1.