## Graphs

1 What is the equation of these graphs?


2 What is the midpoint of the line segment $A B$ ?


3 A graph runs through the points $(4,9)$ and $(2,11)$. What is the equation of the graph?
4 A graph has a gradient of -2 and runs through the point $(7,12)$. What is the equation of the line?

5 A line runs parallel to the graph $y=5 x-12$. It runs through the point $(7,8)$. What is the equation of the line?

