## 4 Angle of Inclination

- 1. Find the angle of inclination of the line with a gradient of 3.
- 2. Find the angle between the x-axis and the line joining the points (6, -2) and (8, -4).
- 3. Find the angle between the x-axis and the line joining the points (-4, 2) and (4, 16).
- 4. Find the equation of the line that is inclined at 60 to the positive *x*-axis and passes through the point  $(\sqrt{3}, 3)$ .
- 5. Find the equation of the line that is inclined at 30° to the positive *x*-axis and passes through the point  $\left(4, \frac{1}{2}\right)$ .

