- A particle P is moving on a smooth horizontal surface under the action of two forces.
- Given that

3. [In this question, **i** and **j** are perpendicular unit vectors in a horizontal plane.]

- the mass of P is 2 kg
- the two forces are (2i + 4j)N and (ci 2j)N, where c is a constant

the magnitude of the acceleration of P is $\sqrt{5}$ m s⁻²

find the two possible values of c.