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A resultant force of  $\begin{bmatrix} -2 \\ 6 \end{bmatrix}$  N acts on a particle.

The acceleration of the particle is  $\begin{bmatrix} -6 \\ y \end{bmatrix}$  m s<sup>-2</sup>

Find the value of  $y$

Circle your answer.

[1 mark]

2

3

10

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