

**12**

A particle, initially at rest, starts to move forward in a straight line with constant acceleration,  $a \text{ m s}^{-2}$

After 6 seconds the particle has a velocity of  $3 \text{ m s}^{-1}$

Find the value of  $a$

Circle your answer.

**[1 mark]**

−2

−0.5

0.5

2