

4 Motion - velocity and acceleration – Part 1 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 velocity is the derivative of position; acceleration is the derivative of velocity.

2.2 $s'(t) = 2t$.

2.3 $2 \times 5 = 10$.

2.4 $v'(t) = 3$ (a constant acceleration).

2.5 the object is momentarily at rest (not moving) at that instant.