

Solutions

2.1 $(9-1)/(3-1)=4$.

2.2 $(8-0)/(3-1)=4$.

2.3 Average endpoint height 4 times width 3 gives 12.

3.1 False. Area under a speed-time graph gives distance, but a constant force 2 N over displacement 3 m gives area 6 J of work. Interpret the axis units first.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.