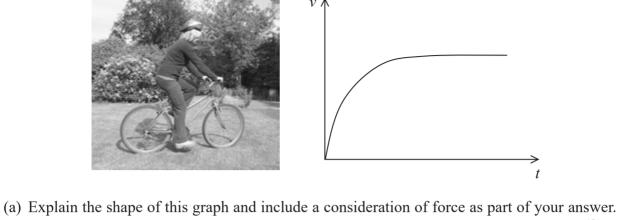
11 A sports class is studying cycling. They produce a video of a cyclist on a horizontal lawn. The cyclist starts from rest.

They produce a sketch graph of the velocity *v* of the cyclist against time *t*.

They produce a sketch graph of the velocity v of the cyclist against time t.





(b) A student makes the following statement.The work done by the cyclist is converted into the kinetic energy of the cyclist and bicycle.

Criticise this statement.

(3)