Calculate coordinate gradient.
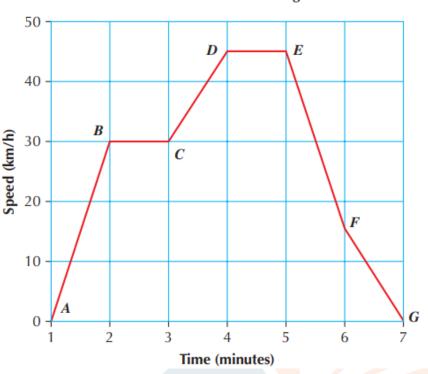
1. The graph below shows the acceleration, constant speeds and deceleration of a rider in a bike race.

Bike race rates of change

a. At which point do you think the race finishes?

b. Identify the parts of tile race that show the greatest rate of change. c

c. Calculate the maximum acceleration of the bike. d

d. The rate of acceleration between points A and B is the same as the rate of deceleration between points E and F. True or false? Explain your answer.

e. What does a gradient of zero represent on the graph?

1   2   3   4   5   6   7   8   9