

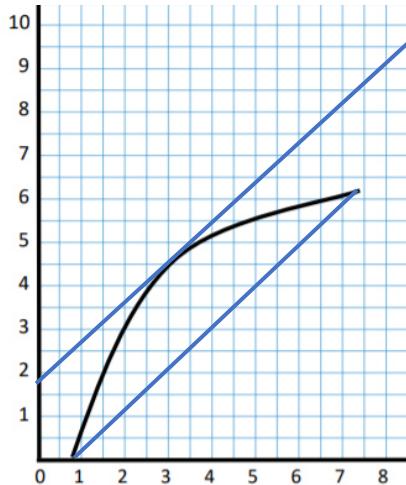
The gradient of a curve for GCSE

260a

Name:



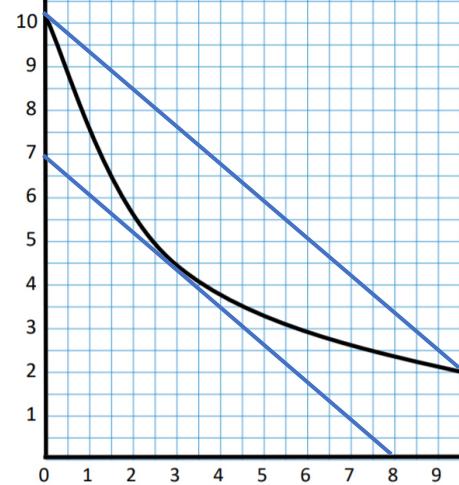
Using the graphs provided below...



- a) Estimate the gradient when $x = 3$
Approx 0.9



- c) Estimate the gradient when $x = 2$
Approx 6

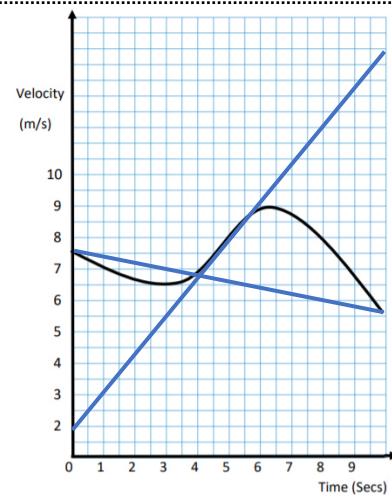
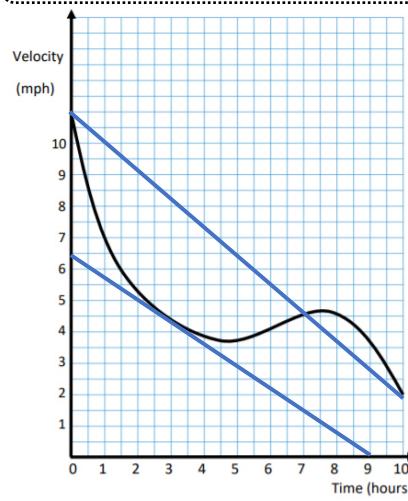
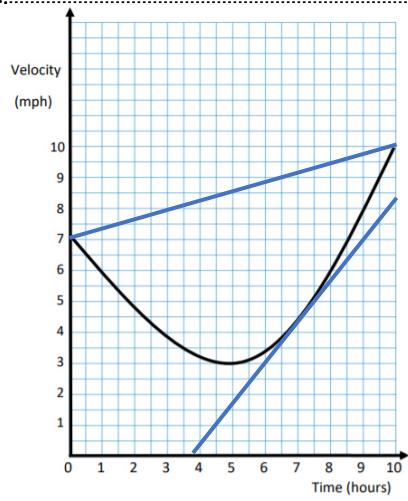


- e) Estimate the gradient when $x = 3$
Approx -0.9

- b) Estimate the average gradient
Approx 1

- d) Estimate the average gradient
Approx 1.2

- f) Estimate the average gradient
Approx -0.9



- g) Estimate the acceleration at 7 hrs
Approx 1.3

- h) Estimate the deceleration at 3 hrs
Approx -0.7

- i) Estimate the acceleration at 5 hrs
Approx 1.2

- j) Estimate the average acceleration
Approx 0.3

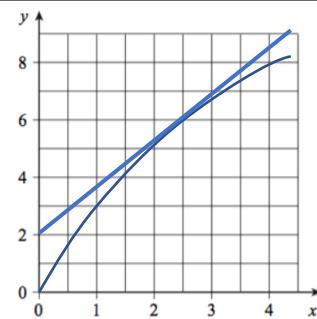
- k) Estimate the average deceleration
Approx -0.9

- l) Estimate the average deceleration
Approx -0.2

Exam question:

Estimate the gradient of the curve shown when $x = 2.5$

Approx 1.6



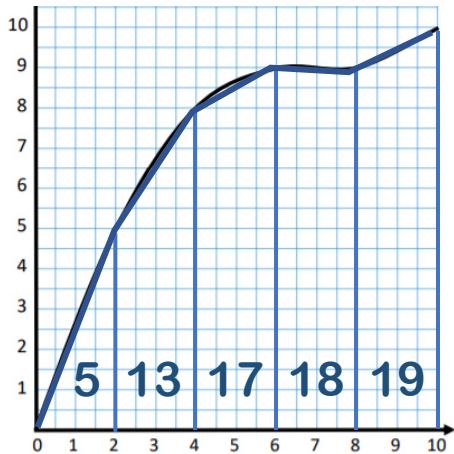
Calculating the area under a curve for GCSE

260b

Name:

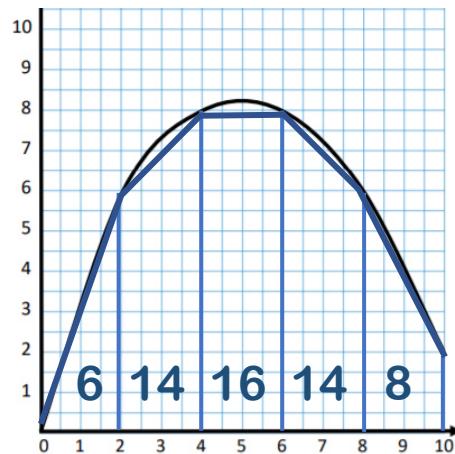


Estimate the area in units squared under each of these curves (use 5 strips)



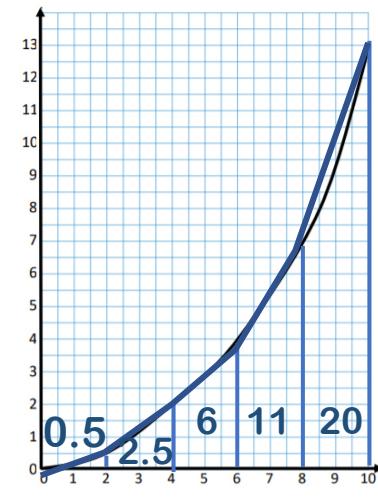
a)

Approx 72



b)

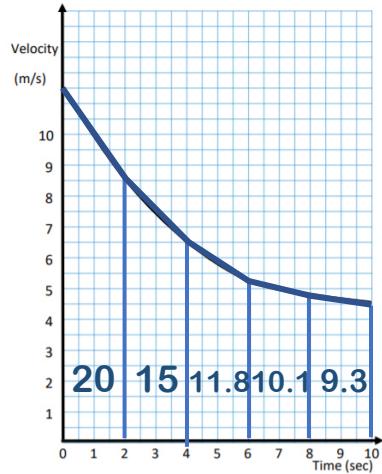
Approx 58



c)

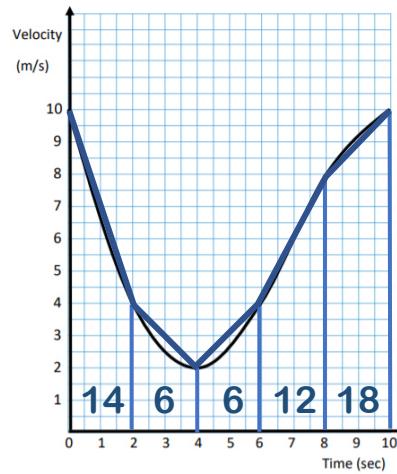
Approx 40

Estimate the distance travelled for each of these velocity time graphs (use 5 strips):



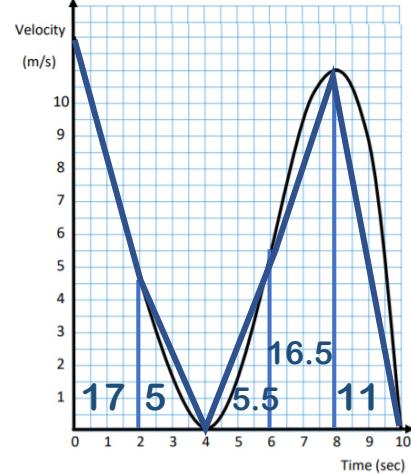
d)

Approx 66.2



e)

Approx 56



f)

Approx 55



Exam question:

Estimate the area under the curve shown (use 4 strips).

Give your answer in units squared

$$3.5 + 7 + 6.5 + 7$$

