

25th June

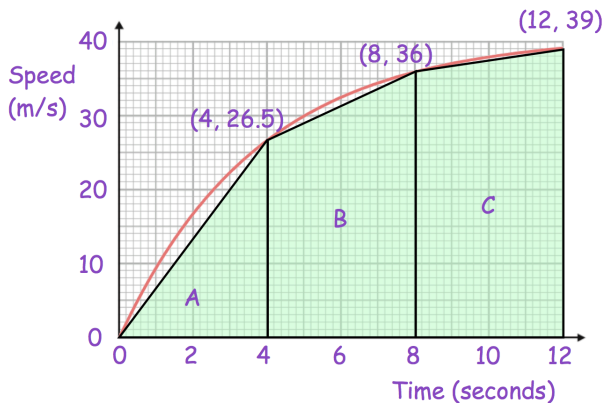
Corbettmaths

$$f(x) = kx + 7$$

$$g(x) = 3x - 2$$

Given $gf(1) = 34$

Work out the value of k



Here is the speed-time graph for a car's journey.

Using your answers to (a), (b) and (c) to find an estimate for the total distance travelled by the car.

Is your answer an overestimate or an underestimate for the distance that the car travelled?

Solve

$$\frac{2}{2x-3} - \frac{3}{x+4} = 2$$

Give your solutions to 3 significant figures