



Given

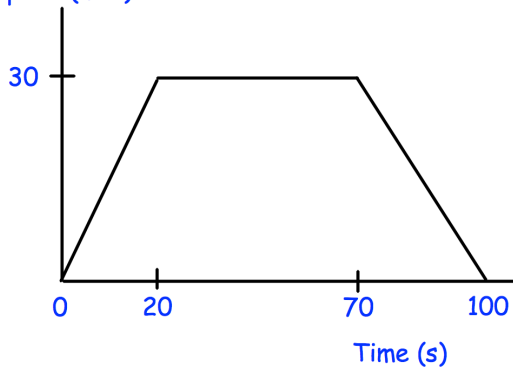
$$f(x) = 5x - 3$$

$$g(x) = 2x + 1$$

Find

$$gf(x)$$

Speed (m/s)



The speed-time graph shows the speed of a train between two underground stations.

Calculate the distance between the stations

Calculate the average speed for the journey

Solve

$$\frac{2}{x+1} - \frac{10}{x+4} = -1$$

Find the shortest possible distance between the line $y = 5x$ and the point $(-3, 10)$.