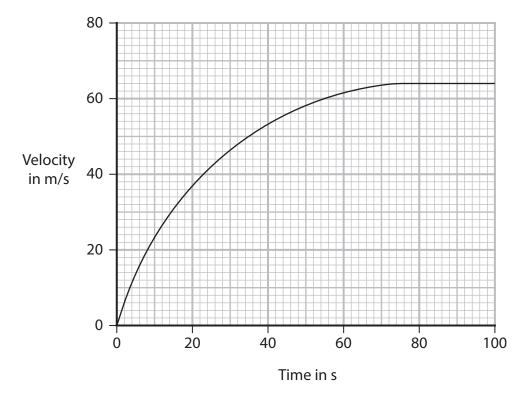
12 A car accelerates with a constant driving force along a horizontal road and reaches its maximum speed.

This is the velocity-time graph for the car's journey.



(a) By drawing a tangent to the curve, determine the acceleration of the car at a time of 20 s.

(4)

acceleration =m/s²

	TOTAL FOR PAPER = 11	TOTAL FOR PAPER = 110 MARKS	
	(Total for Question 12 =	12 marks)	
) Explain the motion of the car after 80 s.		(3)	
) Evaluin the motion of the car after 90 c	distance =		
		(5)	

