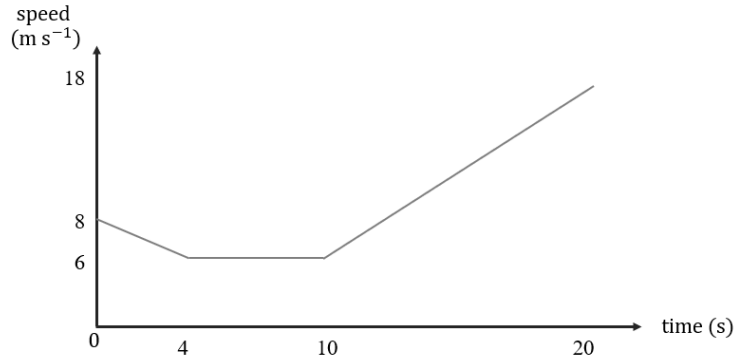
QUESTION NUMBER	SCHEME	MARKS
2(a)	$v = u + at$: $w = 8 + (-0.5)(4)$ (the value of w may not be seen)	M1
	$v = u + at$: $v = w + (1.2)(10)$	M1
	$v = 18$ *	A1*
		(3)
2(b)		B1 shape B1 time labels 4,10,20 B1 speed labels 6, 8, 18
		(3)
2(c)	Clear **attempt** to find distance using the area under their graph from $t = 0$ to $t = 20$ or another suitable method, <u>even if they are using the wrong shapes.</u> Distance $= \frac{(8+"6")\times 4}{2} + (6\times"6") + \frac{("6"+18)\times 10}{2}$ **OR** $= (6\times 4) + \frac{1}{2}\times 4\times(8-6) + (6\times 6) + (6\times 10) + \frac{1}{2}\times 10\times(18-6)$	M1 A1ft A1ft
	$= 184$ (m)	A1
		(4)
		(10)
	Notes for question 2	
(a) **M1** **M1** **A1***	Complete method for finding the velocity (w) when $t = 4$ M0 if $u = 0$. **N.B.** 6 on its own can imply this mark. Method completed to show the speed when $t = 20$ M0 if initial speed is not w. Fully correct solution leading to given answer
(b) **B1** **B1** **B1**	Correct shape of graph Correct time labels Correct speed labels **N.B**. Solid vertical line(s) B0 for the shape.
(c) **M1** **A1ft** **A1ft** **A1**	Complete method to find distance travelled in 20 seconds. May use speed-time graph or *suvat* equations for **three** sections (28m, 36m, 120m) of the journey. Award this mark for a clear **attempt** to find the area and penalise errors in the A marks. M0 if graph does not have three sections. Equation with at most one error, ft their "6" Correct equation, ft their "6" Correct final answer