Question	Scheme	Marks	AOs
2(a)	Complete method to find U	M1	3.1b
	$10 = U - 12 \times 0.5$	A1	1.1b
	$U = 16$	A1	1.1b
		(3)	
2(b)	AB = Total Area under the graph	M1	3.1b
	e.g. $= (10 \times 50) + \frac{1}{2} \times 12 \times (16 - 10) + \frac{1}{2} \times 20 \times 5$	A1ft	1.1b
	OR $= \frac{1}{2} \times 12 \times (16 + 10) + (10 \times 18) + \frac{1}{2} \times 20 \times (15 + 10)$ **OR** use of *suvat* for each of the 3 sections and then add	A1ft	1.1b
	= 586 (m)	A1	1.1b
		(4)	
			(7 marks)

Notes:

(a)	M1	Condone sign errors
	A1	Correct equation in U only
	A1	cao
(b)	M1	Complete method to find area (must include all elements and have correct structure) or use of *suvat* on each section and then added
	A1ft	Correct unsimplified expression for AB, ft on their U, seen or implied, with at most one error
	A1ft	Correct unsimplified expression for AB, ft on their U, seen or implied
	A1	cao