Question Number	Answer					Mark
13a	Z has greater (cross sectional) area than W				(1)	
	So Z has smaller resistance than W				(1)	
	Z has greater current than W				(1)	
	Since $I = nAve$, with both A and $I = 4 \times 4$ greater in Z, (drift velocity is the same)				(1)	4
13b						
	Quantity	Same value for W and Z	Larger value in W	Larger value in Z		
	Current in the wires	×			(1)	
	Resistance of the wires		×		(1)	
	Potential difference across the wires		×		(1)	
	Drift velocity of the charge carriers in the wires		×		(1)	4
			•			

8

Total for question 13