Progress check

P2.3.2 Mark Scheme

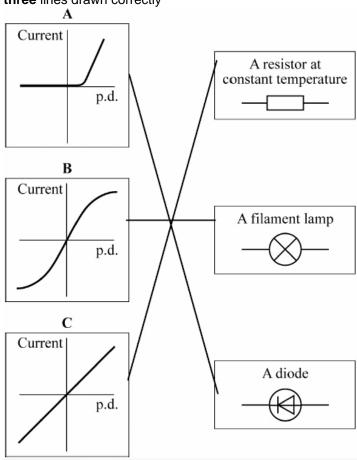


2

1

Electrical circuits - Mark scheme

1. (a) three lines drawn correctly



allow **1** mark for 1 correct line if more than one line goes from a graph, both are incorrect

(b) **J**

2. (a) (i) 6

accept their (a) (i) ignore any units

(ii) 6 (volts) 1

(b) 0.30 accept 0.3

(c) smaller(than) 1

accept correct alternatives to smaller than e.g. less than

a bigger current flows through the lamp

only accept if 'smaller than' is given; accept converse accept a correct calculation; accept resistance is half of 60 accept resistance = 30 (Ω)

do **not** accept answers in terms of p.d



[3]





Progress check

P2.3.2 Mark Scheme



3.	(i)	30	2
		allow 1 mark for showing correct method i.e. 5×6 or $12 \div 0.4$	
	(ii)	connected in <u>series</u> insufficient they are not connected in parallel	1
	(iii)	0.4	1
	(iv)	equally/ evenly	1
		the same is insufficient allow credit for candidates that correctly mention pd across the connecting wires	
		accept (nearly) 2 V (each)	

