

## Direct and Inverse Proportion Topic Test 2 (10 minutes)

### Mark Scheme

Q	Answer	Mark	Comments
1(a)	Point (6,8) plotted correctly	M1	oe
	Straight line through (0,0) to (6,8)	A1	
1(b)	$(x =)15$	B1ft	ft their line $\pm \frac{1}{2}$ square
2(a)	$d \propto \frac{1}{c}$ or $d = \frac{k}{c}$ or $d = k \times \frac{1}{c}$	M1	
	$4 = \frac{k}{4}$ or $k = 16$	M1	
	$d = \frac{16}{c}$	A1	
2(b)	$d = \frac{16}{8}$ $(d =)2$	A1	
2(c)	$3.2 = \frac{16}{c}$ $(c =)5$	A1	
3(a)	$t \propto \frac{1}{s}$ or $t = \frac{k}{s}$ or $t = k \times \frac{1}{s}$	M1	
	$3 = \frac{k}{10}$ or $k = 30$	M1	
	$t = \frac{30}{s}$	A1	
3(b)	$2 = \frac{30}{s}$ 15	A1	