

## Direct and Inverse Proportion Topic Test 1 (10 minutes)

### Mark Scheme

Q	Answer	Mark	Comments
1(a)	$y \propto x$ or $x \propto y$ or $y = k \times x$ or $x = k \times y$	M1	
	$18 = k \times 6$ or $k = 3$	M1	
	$y = 3x$ or $x = \frac{1}{3}y$	A1	
1(b)	$30 = 3x$ $(x =)10$	A1	
2	$h \propto \frac{1}{y}$ or $h = \frac{k}{y}$ or $h = k \times \frac{1}{y}$	M1	
	$k = 14$	A1	
	$3\frac{1}{2}$	A1	
3(a)	$c \propto n$ or $n \propto c$ or $c = k \times n$ or $n = k \times c$	M1	
	$99 = k \times 18$ or $k = 5.5$	M1	
	$c = 5.5n$	A1	
3(b)	$70 = 5.5n$ or 12.7	M1	
	12	A1	