

# Topic Test 1 Mark Scheme

## Introduction to trigonometry - Foundation

Q	Answer	Mark	Comments
1	$\frac{2}{3}$	B1	
2	$\frac{5}{13}$	B1	
3(a)	14.7	B1	
3(b)	24	B1	
3(c)	27.2	B1	
4(a)	60	B1	
4(b)	30	B1	
4(c)	$\sqrt{2^2 - 1^2}$	M1	
	$\sqrt{3}$	A1	Accept 1.732...
4(d)	$5\sqrt{3}$	B1	Accept 8.66....
5	$32 \times \sin 28$	B1	
6	$\tan A = \frac{b}{a}$	B1	
7	$20 \times \tan 40$	M1	
	[16.78, 17]	A1	

Q	Answer	Mark	Comments
8	$36 \times \sin 56$	M1	
	[29.8, 30]	A1	
9	$12 \div \cos 26$	M1	
	[14.8, 15]	A1	
10	$\tan x = \frac{13}{20}$ or $\tan^{-1}\left(\frac{13}{20}\right)$	M1	
	[33, 33.02]	A1	