Name :						
So	core :	Date	e:	MONKS		
		Trigonometri	c Word Problems			
1		gle ABC, AC and CB a B to the nearest met	re 15 m each. Angle A and E er.	3 are both 55°.		
2	The angle of elevati	on of the plane as se	above the ground and dire en by a boy at a point A on t Find the distance of the boy	the ground some		
3		nat is floating 175 fee een the cliff and the b	et from the base of a 200 foo boat?	t cliff. Find the angle		
4	Henry is standing or depression to a boa	n top of a cliff 305ft a t on the lake is 42°. H	bove a lake. The measureme ow far is the boat from Hen	ent of the angle of ry.		
5			n the angle of elevation of th Inswer to the nearest meter	_		
6			ne beach, a man sights a wha			

N	ame :			·			
Score:		Date	:	MONKS			
	Answers	Trigonometric	Word Problems				
1	In an isosceles triangle ABC, AC and CB are 15 m each. Angle A and B are both 55°. Find the length of AB to the nearest meter.						
2	An aeroplane(A) is flying at above 1000ft above the ground and directly over a church(c). The angle of elevation of the plane as seen by a boy at a point A on the ground some distance from the church is 22 degrees. Find the distance of the boy from the church and from the plane						
	2475 ft from the chi	urch, 2670 ft from the p	lane				
3	A man is in a boat that is floating 175 feet from the base of a 200 foot cliff. Find the angle of depression between the cliff and the boat?						
4			ove a lake. The measureme v far is the boat from Henr				
	455.9 ft						
5			he angle of elevation of the wer to the nearest meter	ne Sun is 33.7 degrees.			
	12 m						
6			beach, a man sights a wha What is the distance of the				
	1628.92 ft						