

Index for Workbook 4

Adjacent side	3	Noise	6
Amplitude	67, 74	Noise barriers	6
Amplitude modulation	40		
Angle of elevation	17	Opposite side	3
Angular frequency	66	Optical interference	31
Arc	20		
Area of triangle	50, 54	Period	28, 66
		Phase	69, 74
Brake	14	Projectile	47
		Projection	23
Calculator	9, 21	Pythagoras' theorem	5, 8, 37
Circular motion	67		
Combining waves	71	Quadrants of circle	23-28
Cosine	3, 23, 28		
Cosine rule	59	Radian	20
Crank mechanism	62		
		Similar triangles	3
Degrees	9, 20	Simple harmonic motion	68
Demodulation	40	Sine	3, 23, 30
Diffraction	6	Sine rule	55
Displacement	69	Sound waves	6
Earth horizon	8	Tangent	4, 28-30
		Triangle - right-angled	3
Frequency	66	- isosceles	5
Graphs of trig. functions	28	Waves	40-42, 65-77
Half-angle formulae	44-45	EXERCISES	
Horizon distance	8	17, 33, 50, 63, 76	
Hypotenuse	3		
		ENGINEERING EXAMPLES	
Identities	36-52	1 Noise reduction by sound	
Interference fringes	31	barriers	6
Inverse trig. functions	10	2 Horizon distance	8
		3 Vintage car brake pedal	
Light waves	31	mechanism	14
		4 Optical interference fringes due	
Modulation	40	to glass plate	31
Moment	14	5 Amplitude modulation	47