

Year 9 Math
Trigonometry work requirements

Name:

Topic	Knowledge	Skill	Ability
3E: Trigonometric ratios (p. 172) Learning Goal: <i>describe parts of a right-angled triangle, and relevant ratios</i> Success Criteria: <i>identified Opposite, Adjacent and Hypotenuse, and relevant ratios in a right-angled triangle</i>	2 (a,c,e)	3-7	8 (a,c), 13 (a,b,c)
3F: Finding side lengths (p. 178) Learning Goal: <i>determine the value of an unknown side length, in a right-angled triangle</i> Success Criteria: <i>used trigonometric ratios and algebra, to determine side-lengths</i>	2	3 (a,c,e), 4 (a,c,e,g,i,k,m,o)	5-9
3G: Solving for the denominator (p. 185) Learning Goal: <i>determine the value of an unknown side length, in a right-angled triangle</i> Success Criteria: <i>used trigonometric ratios and algebra, to determine side-lengths</i>	2 (a,c,e)	3 (a,c,e,g,i,k), 4 (a,c,e,g)	5-7
3H: Finding an angle (p. 189) Learning Goal: <i>determine angles in a right-angled triangle</i> Success Criteria: <i>used trigonometric ratios, to determine angles</i>	3 (a,c,e)	4 (a,c,e,g)	5, 7-9
3I: Applying trigonometry (p. 197) Learning Goal: <i>use trigonometry to solve problems</i> Success Criteria: <i>drawn appropriate diagrams to represent problems, and solve them</i>	1,4	2, 3, 5-8	9, 12, 13
3J: Bearings (p. 204) Learning Goal: <i>use bearings</i> Success Criteria: <i>used trigonometry and knowledge of bearings, to solve problems of navigation</i>	2i (a,c,e)	3-6	7-9