

Year 9 Math
Trigonometry work requirements (1st Edn.)

Name:

Topic	Knowledge	Skill	Ability
3E: Trigonometric ratios (p. 168) 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>	4 (d,e,f)	5-9	10 (a,c), 15 (a,b,c)
3F: Finding side lengths (p. 175) 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>	4 (d,e,f,g)	4 (a,c,e), 5 (a,c,e,g,i,k,m,o)	6-10
3G: Solving for the denominator (p. 180) 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 (d,e,f)	3 (a,c,e,g,i,k), 4 (a,c,e,g)	5-7
3H: Finding an angle (p. 186) Learning Goal: <i>determine angles in a right-angled triangle</i> Success Criteria: <i>used trigonometric ratios, to determine angles</i>	6 (a,c,e)	7 (a,c,e,g)	8, 10-12
3I: Applying trigonometry (p. 193) Learning Goal: <i>use trigonometry to solve problems</i> Success Criteria: <i>drawn appropriate diagrams to represent problems, and solve them</i>	4, 7	5, 6, 8-11	12, 15, 16
3J: Bearings (p. 200) Learning Goal: <i>use bearings</i> Success Criteria: <i>used trigonometry and knowledge of bearings, to solve problems of navigation</i>	3i (a,c,e)	4-7	8-10