**LEARNING INTENTIONS CHECKLIST – NON-RIGHT ANGLED TRIANGLE TRIGONOMETRY**

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| **Knowledge, Understanding or Skill** | **Check** | **Classwork** | **Formative Test** | **Review Set** | **Review Set** |
| **THE AREA OF A TRIANGLE** |  | **6A** |  | **RS6A** | **RS6B** |
| Find the area of a triangle given two sides and the included angle |  | 1, 2 | 3 | 1, 5, 6, 10 |  |
| Find the area of a polygon by dividing it into identical triangles |  | 4, 5, 6, 10 |  | 2 |  |
| Find an unknown side of a triangle given its area, one side, and the included angle |  | 3 | 3 |  |  |
| Find the unknown sides of an isosceles triangle given its area and the included angle |  | 7, 8 |  |  |  |
| Find the two possible values of the included angle in a triangle given its area, and two sides |  | 9 |  |  | 2 |
| **THE COSINE RULE** |  | **6B** |  |  |  |
| Find an unknown side in a triangle given two sides and the included angle |  | 1, 6, 7, 8, 9, 10 | 1 | 3, 4, 5 | 1, 5, 6 |
| Find an unknown angle in a triangle given three sides |  | 2, 3, 4, 5, 7, 10 | 1, 3 | 4, 6 | 1, 4, 5 |
| **THE SINE RULE** |  | **6C.1** |  |  |  |
| Find an unknown side in a triangle given one side and two angles |  | 1-4 | 4 | 4 | 5, 6 |
| **THE SINE RULE** |  | **6C.2** |  |  |  |
| Find the possible values of an unknown angle in a triangle given two sides and a non-included angle |  | 1-5 | 2 | 10 | 8 |
| **PROBLEM SOLVING USING THE SINE AND COSINE RULES** |  | **6D** |  |  |  |
| Apply the sine or cosine rule to solve routine and complex problems involving triangles |  | 1-14 | 4 | 7, 8, 9 | 7, 9, 10 |