logo**Trigonometry in Right-Angled Triangles Homework**

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| **Literacy**  Trigonometry ~ from Greek  trigonon "triangle" + metron "measure” | **Research**  Describe how you’d use a clinometer to measure the height of a building. | **Memory** |
| **Skills**  7. Knowing in a right angled triangle one of the other angles was 30° identify two different sizes of triangle with exact lengths for two of the edges and neither is an enlargement of the other and none of the lengths can be 2 units long.  You must label your triangles with the lengths of all three edges. Leaving answers in root form if needed!  Find in each question. Where necessary, round answers to 1dp. | | **Stretch**  1. A radio mast is supported by two  cables as shown. Find the distance  between the two points A and B.  2. A ship sails due north 300km to  from position A to position B. It  then sails 450km due east to  position C. What is the bearing  and distance the ship would need  to sail to go directly from C to A? |

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