Match-Up

**Pythagoras Worded Problems**

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| **1** | A ladder is placed from the foot of a wall. The ladder reaches vertically up the wall. How long is the ladder in metres? |  | **A** |  |
| **2** | A netball court is long by wide. How long in metres is the diagonal of the court? |  | **B** |  |
| **3** | Find the distance between the coordinates and . |  | **C** |  |
| **4** | A canoe travels north then turns and travels east. It then turns and travels directly to its original position. How far in km has it travelled in total? |  | **D** |  |
| **5** | A bird sits on the ground, away from the base of a fir tree. The tree is tall. How far in metres is the bird from the top of the tree? |  | **E** |  |
| **6** | A ladder is long. The foot of the ladder is from the foot of a wall. How far in metres up the wall does the ladder reach? |  | **F** |  |
| **7** | A hiker sets off from home and walks south and then east. If he wishes to return directly home, how much further would he have to hike in km? |  | **G** |  |
| **8** | The diagonal of a tennis court measures . If the width of the court is , what is the length of the court in metres? |  | **H** |  |
| **9** | Find the distance between the coordinates and . |  | **I** |  |
| **10** | Find the area in of an isosceles triangle with sides of length , and . |  | **J** |  |

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| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
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