**Pythagoras’ Theorem and Trigonometry**

**(F)**

Post-Intervention Assessment

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Question** | **Objective** | **RAG** |
|  1 | Apply Pythagoras’ Theorem |  |
|  2 | Use SOH CAH TOA to calculate missing sides |   |
|  3 | Use SOH CAH TOA to calculate missing angles |   |

**1.** Here is a right-angled triangle.

Diagram NOT accurately drawn


Work out the length of *AC*.

Give your answer correct to 1 decimal place.

........................................................... cm

**2**. Calculate the length of the side *x* in this right-angled triangle.
Give your answer correct to 3 significant figures.

Diagram **NOT** accurately drawn

........................................................... cm

**3**. Calculate the size of angle *a* in this right-angled triangle.
Give your answer correct to 3 significant figures.

Diagram **NOT** accurately drawn

........................................................... °

[Glue here]