PRINCE EDWARD ISLAND APPRENTICESHIP AND WORKPLACE MATHEMATICS 11 · UNIT B · 5 QUESTIONS

Trigonometry and Scale Diagrams — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Wooden extension ladder leaning at a steep angle against a plain white house wall, ladder large in frame, clear blue sky. A ladder leans against a wall, forming a right triangle with horizontal distance 15 metres and ladder length 17 metres. What is the cosine of the angle with the ground, to two decimal places**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A ramp forms a right triangle with vertical rise 12 metres and sloped length 13 metres. What is the sine of the ramp angle, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A right triangle has legs 5 metres and 12 metres. What is the length of the hypotenuse in metres**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A ladder leans against a wall, forming a right triangle with horizontal distance 24 metres and ladder length 25 metres. What is the cosine of the angle with the ground, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A ramp forms a right triangle with vertical rise 8 metres and sloped length 17 metres. What is the sine of the ramp angle, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0.88
2. 0.92
3. 13
4. 0.96
5. 0.47

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