SASKATCHEWAN WORKPLACE AND APPRENTICESHIP MATHEMATICS 10 · UNIT D · 5 QUESTIONS

Pythagorean Theorem and Right-Triangle Trigonometry — 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 **A silver aluminium ladder leaning against the pale wall of a house. A ladder of length 30 m leans against a wall at 45 degrees to the ground. The height it reaches, in metres, is approximately**



A 23.2

B 19.2

C 30

D 21.2

Understand It with Pulse | Flag a mistake

2 **A right triangle has hypotenuse 51 m and one leg 24 m. The other leg, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A right triangle has legs 16 m and 30 m. The hypotenuse, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **From a point 30 m from the base of a pole, the angle of elevation to the top is 30 degrees. The height of the pole, in metres, is approximately**

A 19.3

B 17.3

C 15.3

D 30

Understand It with Pulse | Flag a mistake

5 **In a right triangle, the side adjacent to an acute angle is 30 and the hypotenuse is 34. The cosine of the angle is**

A $\frac{8}{}$

B $\frac{15}{}$

C $\frac{8}{}$

D $\frac{15}{}$

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. 45
3. 34
4. B
5. D

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