NOVA SCOTIA MATHEMATICS AT WORK 12 · UNIT D · 10 QUESTIONS

Polygons, Transformations and 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 right triangle has legs 21 and 28. Find the hypotenuse.**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A right triangle has legs 33 and 44. Find the hypotenuse.**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A right triangle has legs 40 and 42. Find the hypotenuse.**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A pentagon has**

A 5 sides

B 6 sides

C 4 sides

D 8 sides

Understand It with Pulse | Flag a mistake

5 **A hexagon has**

A 5 sides

B 6 sides

C 8 sides

D 4 sides

Understand It with Pulse | Flag a mistake

6 **An octagon has**

A 6 sides

B 10 sides

C 8 sides

D 5 sides

Understand It with Pulse | Flag a mistake

7 **The area of a triangle is**

A base × height

B base + height

C 2 × base × height

D half × base × height

Understand It with Pulse | Flag a mistake

8 **The area of a trapezoid is half times the sum of the parallel sides times**

- A height
- B base
- C diagonal
- D perimeter

Understand It with Pulse | Flag a mistake

9 **A dilation changes a shape size by**

- A a rotation
- B a scale factor
- C a reflection
- D a translation

Understand It with Pulse | Flag a mistake

10 **Two shapes are congruent if they have**

- **A** the same size only
- **B** the same shape only
- **C** the same size and shape
- **D** different sizes

Understand It with Pulse **Flag a mistake**

ANSWER KEY

1. 35
2. 55
3. 58
4. A
5. B
6. C
7. D
8. A
9. B
10. C

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