Properties of Geometric Figures, Transformations and Trigonometry — Practice Test

Prince Edward Island Apprenticeship and Workplace Mathematics 12 • 10 questions

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 triangle with base 14 and height 3 has area**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Under a dilation with scale factor 2, a length of 6 becomes**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A circle with radius 4 has diameter**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Similar figures have the same shape but**

A must differ in shape

B must be congruent

C must be rotated

D may differ in size

Understand It with Pulse | Flag a mistake

5 **The hypotenuse is the side**

A along the base always

B opposite the right angle

C adjacent to the right angle

D shortest in the triangle

Understand It with Pulse | Flag a mistake

6 **The Pythagorean theorem applies to**

- A circles
- B rectangles only
- C right triangles
- D all triangles

Understand It with Pulse | Flag a mistake

7 **Under a translation right 3, the point 2 comma 1 moves to this x coordinate**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Under a translation up 4, the point 3 comma 2 moves to this y coordinate**

ANSWER _____

Understand It with Pulse | Flag a mistake

9

A triangle with base 10 and height 10 has area

ANSWER _____

Understand It with Pulse | Flag a mistake

10

Under a dilation with scale factor 3, a length of 4 becomes

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	21	**5.**	B	**9.**	50
2.	12	**6.**	C	**10.**	12
3.	8	**7.**	5		
4.	D	**8.**	6		

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