Geometry — Practice Test

Prince Edward Island Pre-Calculus Elective 11 • 25 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 circle has radius 3 centimetres. Using 3.14 for pi, what is the circumference of the circle in centimetres, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A regular polygon has 5 sides, and each interior angle measures the same. What is each interior angle in degrees**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **What is the sum of the interior angles of a polygon with 5 sides, in degrees**

ANSWER _____

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4 **A circle has radius 2 centimetres. Using 3.14 for pi, what is the area of the circle in cm², to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A line segment joining two points on a circle and passing through the centre is a**

A radius

B chord only

C tangent

D diameter

Understand It with Pulse | Flag a mistake

6 **A line that touches a circle at exactly one point is a**

A secant

B tangent

C chord

D diameter

Understand It with Pulse | Flag a mistake

7 **A regular hexagon has each interior angle equal to**

A 90 degrees

B 108 degrees

C 120 degrees

D 135 degrees

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8 **A right angle measures**

A 45 degrees

B 90 degrees

C 180 degrees

D 360 degrees

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9 **A triangle with no equal sides is called**

A isosceles

B equilateral

C obtuse

D scalene

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10 **A triangle with two equal sides is called**

A scalene

B equilateral

C isosceles

D right

Understand It with Pulse | Flag a mistake

11 **An angle of 270 degrees is an example of a**

A acute angle

B obtuse angle

C reflex angle

D right angle

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12 **Similar figures have the same shape but may differ in**

- A angle measures
- B shape
- C number of sides
- D size

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13 **The area of a circle with radius r is**

- A $2\pi r$
- B πr
- C πr^2
- D πd^2

Understand It with Pulse | Flag a mistake

14 **The circumference of a circle is found by multiplying pi by the**

A radius

B diameter

C area

D chord

Understand It with Pulse | Flag a mistake

15 **The distance from the centre of a circle to any point on the circle is the**

A radius

B diameter

C circumference

D chord

Understand It with Pulse | Flag a mistake

16 **The exterior angle at a vertex of a regular pentagon is**

A 108 degrees

B 54 degrees

C 90 degrees

D 72 degrees

Understand It with Pulse | Flag a mistake

17 **The midpoint of a line segment divides it into two**

A equal parts

B unequal parts

C perpendicular parts

D parallel parts

Understand It with Pulse | Flag a mistake

18 **The Pythagorean theorem can be used with**

A all triangles

B right triangles

C circles

D rectangles only

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19 **The sum of the interior angles of a pentagon is**

A 360 degrees

B 540 degrees

C 720 degrees

D 180 degrees

Understand It with Pulse | Flag a mistake

20 The sum of the interior angles of a quadrilateral is

- A 360 degrees
- B 180 degrees
- C 540 degrees
- D 90 degrees

Understand It with Pulse | Flag a mistake

21 A circle has radius 4 centimetres. Using 3.14 for pi, what is the circumference of the circle in centimetres, to two decimal places

ANSWER _____

Understand It with Pulse | Flag a mistake

22 A regular polygon has 6 sides, and each interior angle measures the same. What is each interior angle in degrees

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **What is the sum of the interior angles of a polygon with 6 sides, in degrees**

ANSWER

Understand It with Pulse | Flag a mistake

24 **A circle has radius 5 centimetres. Using 3.14 for pi, what is the circumference of the circle in centimetres, to two decimal places**

ANSWER

Understand It with Pulse | Flag a mistake

25 **A regular polygon has 8 sides, and each interior angle measures the same. What is each interior angle in degrees**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	18.84	**10.**	C	**19.**	B
2.	108	**11.**	C	**20.**	A
3.	540	**12.**	D	**21.**	25.12
4.	12.56	**13.**	C	**22.**	120
5.	D	**14.**	B	**23.**	720
6.	B	**15.**	A	**24.**	31.40
7.	C	**16.**	D	**25.**	135
8.	B	**17.**	A		
9.	D	**18.**	B		

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