MANITOBA PRE-CALCULUS MATHEMATICS 30S · UNIT E · 25 QUESTIONS

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 ladder reaches a wall forming a right triangle with base 12 and height 16. The ladder length is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A right triangle has hypotenuse 13 and one leg 5. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A right triangle has legs 6 and 8. Its hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **In a right triangle with opposite 4 and hypotenuse 5, the ratio is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A polygon with eight sides is an**

A hexagon

B octagon

C pentagon

D decagon

Understand It with Pulse | Flag a mistake

6 **A polygon with five sides is a**

A hexagon

B octagon

C heptagon

D pentagon

Understand It with Pulse | Flag a mistake

7 **A polygon with six sides is a**

A hexagon

B pentagon

C octagon

D decagon

Understand It with Pulse | Flag a mistake

8 **A triangle with all sides equal is**

A equilateral

B isosceles

C scalene

D right

Understand It with Pulse | Flag a mistake

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

A isosceles

B equilateral

C scalene

D right

Understand It with Pulse | Flag a mistake

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

A equilateral

B isosceles

C scalene

D obtuse

Understand It with Pulse | Flag a mistake

11 **An angle measuring more than 90 degrees but less than 180 degrees is an**

A acute angle

B obtuse angle

C right angle

D reflex angle

Understand It with Pulse | Flag a mistake

12 **In a right triangle, the side opposite the right angle is the**

A hypotenuse

B adjacent

C opposite side

D base

Understand It with Pulse | Flag a mistake

13 **In a right triangle with adjacent 4 and hypotenuse 5, the ratio is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **In the expression 3x plus 5, the number 3 is the**

A constant

B coefficient

C variable

D solution

Understand It with Pulse | Flag a mistake

15 **The longest side of a right triangle is the**

A adjacent

B opposite

C leg

D hypotenuse

Understand It with Pulse | Flag a mistake

16 **The mean of a data set is also called the**

A median

B mode

C average

D range

Understand It with Pulse | Flag a mistake

17 **The middle value of an ordered data set is the**

A mean

B mode

C range

D median

Understand It with Pulse | Flag a mistake

18 **A ladder reaches a wall forming a right triangle with base 16 and height 30. The ladder length is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A right triangle has hypotenuse 100 and one leg 28. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A right triangle has legs 8 and 15. Its hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **In a right triangle with opposite 3 and hypotenuse 5, the ratio is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A ladder reaches a wall forming a right triangle with base 28 and height 96. The ladder length is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A right triangle has hypotenuse 26 and one leg 10. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A right triangle has legs 3 and 4. Its hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **In a right triangle with opposite 1 and hypotenuse 2, the ratio is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	20	**10.**	B	**19.**	96
2.	12	**11.**	B	**20.**	17
3.	10	**12.**	A	**21.**	0.6
4.	0.8	**13.**	0.8	**22.**	100
5.	B	**14.**	B	**23.**	24
6.	D	**15.**	D	**24.**	5
7.	A	**16.**	C	**25.**	0.5
8.	A	**17.**	D		
9.	C	**18.**	34		

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