

Test Yourself Chapter 7 Geometry

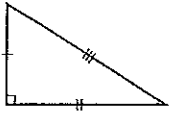
All Multiple Choice

1 This diagram shows a triangle that is:



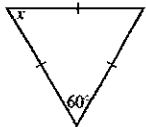
- A obtuse and right angled
- B acute and scalene
- C obtuse and isosceles
- D scalene

2 This diagram shows a triangle that is:



- A acute and scalene
- B obtuse and isosceles
- C scalene
- D right angled and scalene

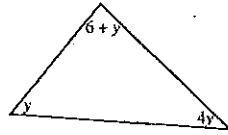
3 The value of the pronumeral x is:



- A 30°
- B 60°
- C 90°
- D 120°

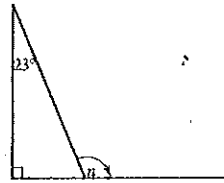
Name: _____

4 The value of the pronumeral y is:



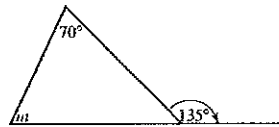
- A 51°
- B 44°
- C 32°
- D 29°

5 The value of the pronumeral n is:



- A 23°
- B 90°
- C 113°
- D 167°

6 The value of the pronumeral m is:



- A 90°
- B 70°
- C 65°
- D 35°

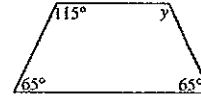
7 A quadrilateral with all sides equal in length is called a:

- A rectangle
- B parallelogram
- C square
- D kite

8 A quadrilateral with two pairs of adjacent sides that are equal is called a:

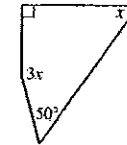
- A parallelogram
- B square
- C kite
- D trapezium

9 The value of the pronumeral y is:



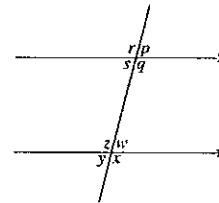
- A 65°
- B 115°
- C 130°
- D 230°

10 The value of the pronumeral x is:



- A 30°
- B 45°
- C 55°
- D 90°

Questions 11 and 12 refer to the following diagram:



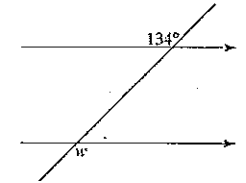
11 State which angle is co-interior to angle s .

- A p
- B w
- C q
- D z

12 The angle which is vertically opposite to r is:

- A p
- B w
- C q
- D z

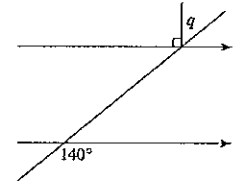
13



The value of the pronumeral w is:

- A 46°
- B 134°
- C 150°
- D 169°

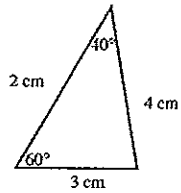
14



The value of the pronumeral q is:

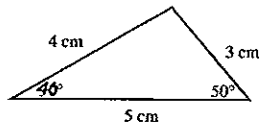
- A 40°
- B 50°
- C 90°
- D 120°

15



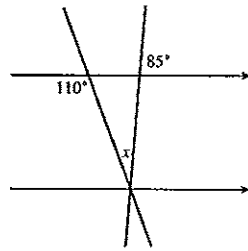
- The shape above is best described as:
- A a triangle with angles 60° and 40° and side between them of length 2 cm
 - B a triangle with angles 60° and 60° and side between them of length 4 cm
 - C a triangle with angles 40° and 80° and side between them of length 3 cm
 - D a triangle with angles 80° and 40° and side between them of length 3 cm

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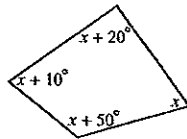
- The shape above is best described as:
- A a triangle with side lengths 3 cm and 5 cm with an angle 40° between them
 - B a triangle with side lengths 4 cm and 3 cm with an angle 50° between them
 - C a triangle with side lengths 5 cm and 5 cm with an angle 50° between them
 - D a triangle with side lengths 4 cm and 5 cm with an angle 40° between them.

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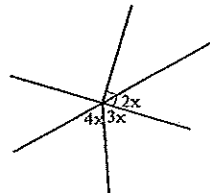
- The value of the pronumeral x is:
- A 70°
 - B 85°
 - C 50°
 - D 25°

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- Which of the following statements is true?
- A $x + 50^\circ = x + 20^\circ$
 - B $4x + 80^\circ = 360^\circ$
 - C $x = x + 10^\circ$
 - D $4x = 180^\circ$

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- The value of the pronumeral x is:
- A 20°
 - B 40°
 - C 60°
 - D 80°

- 20 A rectangle can be best described as:
- A A square with uneven sides
 - B A parallelogram with a right angle
 - C A quadrilateral
 - D A rhombus with a right angle.

Geometry (Answers)

1. C 2. D 3. B 4. D 5. C 6. C 7. C 8. C
 9. B 10. C 11. D 12. C 13. B 14. B 15. A 16. D
 17. D 18. B 19. A 20. B