



Test / Exam Name:
Understanding_elementary_shapes_ch5

Standard: 6th

Subject: Mathematics

Student Name: _____

Section: _____

Roll No.: _____

Questions: 11 | Time: 00:35 hh:mm | Marks: 20

Instructions

1. Keep proper timer
2. Do the images for reference, if required.
3. Compulsorily write proper question numbers and do the rough work on right side
4. Make you work tidy
5. Honesty is the best policy.

SECTION-A

Q1. Find the supplement of each of the following angles. **1 Mark**

120°

1. 60°
2. 150°
3. 20°
4. None of these

A 1. 60° **B** 1. 150° **C** 1. 20° **D** None of these

Q2. An angle whose measure is greater than that of a right angle is _____. **1 Mark**

1. Acute
2. Obtuse
3. Right
4. Straight

A 1. Acute **B** 1. Obtuse **C** 1. Right **D** Straight

Q3. Name the types of following triangles: **1 Mark**

$\triangle XYZ$ with $m\angle Y = 90^\circ$ and $XY = YZ$.

Q4. Verify, whether D is the mid point of \overline{AG} . **1 Mark**



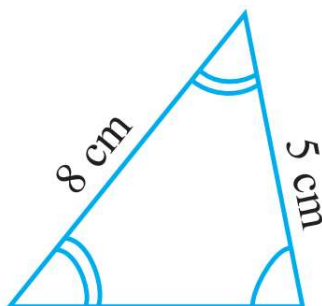
Q5. A figure is said to be regular if its sides are equal in length and angles are equal in measure. Can you identify the regular quadrilateral? **1 Mark**

SECTION-B

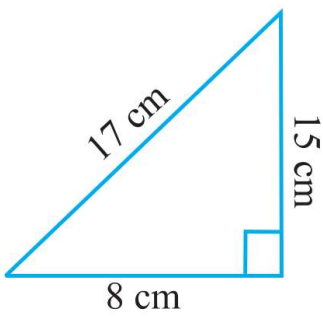
Q6. Which of the following are models for perpendicular lines: **2 Marks**

1. The adjacent edges of a table top.
2. The lines of a railway track.
3. The line segments forming the letter 'L'.
4. The letter V.

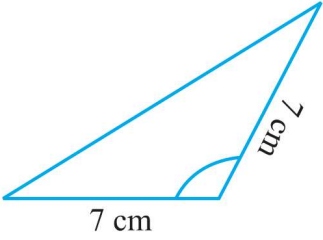
Q7. Name each of the following triangles in two different ways: **2 Marks**
(you may judge the nature of the angle by observation).



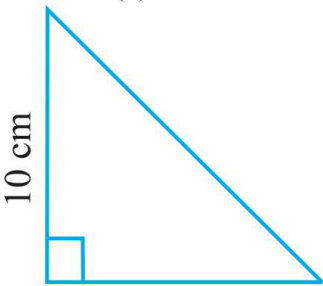
(a)



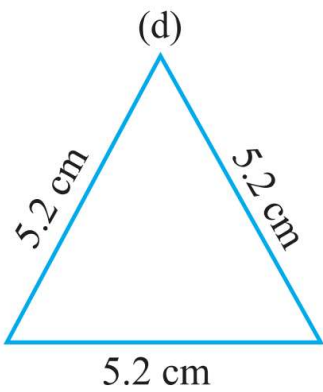
(b)



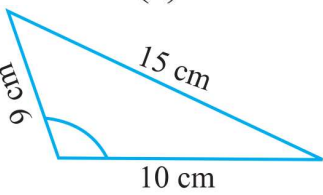
(c)



(d)



(e)



(f)

Q8. What part of a revolution have you turned through if you stand facing:
South and turn clockwise to face east?

2 Marks

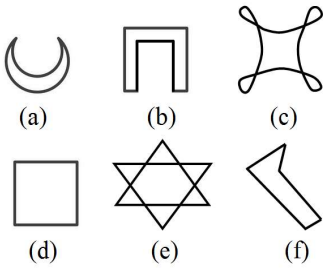
SECTION-C

Q9. Draw a diagram to represent a cube. Label its vertices as A, B, C, D, E, F, G and H. Now write the names of its faces and edges.

3 Marks

Q10. Which of the following are simple closed figures?

3 Marks



Q11. Draw five triangles and measure their sides. Check in each case, if the sum of the lengths of any two sides is always less than the third side. **3 Marks**