Construction Class 9 Worksheet

Constructions Class 9 Extra Questions

1. Draw a line segment AB = 8 cm. Draw ⅓ part of it. Measure the length of ⅓ part of AB.
2. Why we cannot construct a ΔABC, if ∠A = 60°, AB = 6 cm and AC + BC = 5 cm but construction of ΔABC is possible if ∠A = 60°, AB = 6 cm and AC − BC = 5 cm ?
3. Construct an angle of 90° at the initial point of the given ray.
4. Draw a straight angle. Using compass bisect it. Name the angles obtained.
5. Draw any reflex angle. Bisect it using a compass. Name the angles so obtained.

Constructions Class 9 MCQ

Question 1.
If a, b and c are the lengths of the three sides of a triangle, then which of the following is true?
(a) a + b < c
(b) a − b < c
(c) a + b = c

With the help of a ruler and compasses, which of the following is not possible to construct?
(a) 70°
(b) 60°
(c) 135°

Which of the following angles can be constructed using ruler and compasses?
(a) 35
(b) 45
(c) 95
(d) 55

If the construction of a triangle ABC in which AB = 6 cm, ∠A = 70° and ∠B = 40° is possible then find the measure of ∠c.

(a) 40°

(b) 70°

(c) 80°

The construction of a triangle ΔABC in which BC = 6 cm, ∠A = 50° is not possible, when difference of BC and AC is equal to

(a) 4.6 cm

(b) 6.4 cm

(c) 5.1 cm