

CLASS 9

11. CONSTRUCTIONS

1 EXERCISE 1

1. With the help of a ruler and compass it is not possible to construct an angle of:
 - (a) 37.5°
 - (b) 40°
 - (c) 22.5°
 - (d) 67.5°
2. The construction of a triangle ABC , given that $BC = 6\text{cm}$, $\angle B = 45^\circ$ is not possible when difference of AB and AC is equal to:
 - (a) 6.9 cm
 - (b) 5.2 cm
 - (c) 5.0 cm
 - (d) 4.0 cm
3. The construction of a triangle ABC , given that $BC = 6\text{cm}$, $\angle C = 60^\circ$ is possible when difference of AB and AC is equal to:
 - (a) 3.2 cm
 - (b) 3.1 cm
 - (c) 3 cm
 - (d) 2.8 cm