

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

1. Write the correct answer for each of the following.

(i.) Which of the following is not a criterion for the congruence of triangles?

- (a) RHS (b) AAS (c) SSA (d) SSS

(ii.) A triangle can have

- (a) two obtuse angles (b) two right angles
(c) two acute angles (d) exterior angle less than sum of the interior opposite angles

(iii.) In $\triangle ABC$, $\angle A = \angle C$, $BC = 5$ cm and $AC = 6$ cm. Then the length of AB is

- (a) 6 cm (b) 5.5 cm (c) 5 cm (d) 4 cm

(iv.) Two sides of a triangle are of length 3 cm and 2.5 cm. The length of the third side can be

- (a) 6 cm (b) 6.2 cm (c) 5.8 cm (d) 5.2 cm

(v.) In $\triangle ABC$, if $\angle B < \angle C$, then

- (a) $BC > AB$ (b) $AB < AC$ (c) $BC < AB$ (d) $AC > AB$

(vi.) In Fig. 5.19, $\angle ABC$ is

- (a) 30° (b) 40°
(c) 25° (d) 20°

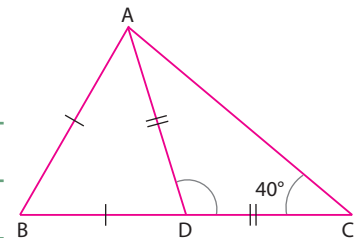


Fig. 5.19