



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 30.06.20

Duration: 40 min

Worksheet Solution 44

Full Marks: 15

TRIANGLES

Choose the Correct options:

Given ABC is a triangle find the third angle if

- $\angle ABC = 65^\circ, \angle BAC = 72^\circ, \angle ACB =$
a. 42° b. **43°** c. 45° d. 47°
- $\angle ABC = 85^\circ, \angle BAC = 32^\circ, \angle ACB =$
a. 62° b. **63°** c. 65° d. 67°
- $\angle ABC = 105^\circ, \angle BAC = 35^\circ, \angle ACB =$
a. **40°** b. 41° c. 45° d. 43°
- $\angle ABC = 60^\circ, \angle BAC = 40^\circ, \angle ACB =$
a. 60° b. 70° c. **80°** d. 90°
- $\angle ABC = 55^\circ, \angle BAC = 75^\circ, \angle ACB =$
a. **50°** b. 45° c. 55° d. 60°
- $\angle ABC = 35^\circ, \angle BAC = 35^\circ, \angle ACB =$
a. 100° b. **110°** c. 120° d. 35°
- $\angle ABC = 60^\circ, \angle BAC = 60^\circ, \angle ACB =$
a. **60°** b. 90° c. 120° d. 30°
- $\angle ABC = 45^\circ, \angle BAC = 45^\circ, \angle ACB =$
a. 85° b. 80° c. 95° d. **90°**
- $\angle ABC = 61^\circ, \angle BAC = 42^\circ, \angle ACB =$
a. **77°** b. 83° c. 75° d. 87°
- $\angle ABC = 30^\circ, \angle BAC = 60^\circ, \angle ACB =$
a. 70° b. 80° c. **90°** d. 100°
- $\angle ABC = 35^\circ, \angle BAC = 95^\circ, \angle ACB =$
a. 40° b. **50°** c. 60° d. 70°
- $\angle ABC = 25^\circ, \angle BAC = 80^\circ, \angle ACB =$
a. 65° b. 67° c. **75°** d. 87°
- $\angle ABC = 55^\circ, \angle BAC = 70^\circ, \angle ACB =$
a. **55°** b. 45° c. 65° d. 37°
- $\angle ABC = 75^\circ, \angle BAC = 75^\circ, \angle ACB =$
a. **30°** b. 40° c. 50° d. 70°
- $\angle ABC = 25^\circ, \angle BAC = 90^\circ, \angle ACB =$
a. 46° b. 55° c. **65°** d. 75°