Sine Rule & Cosine Rule (A)

In triangle ABC, side AC = 5 cm and side BC = 20 cm. ∠ACB = 71.3°. Find side AB to one decimal place.

In triangle ABC, side AC = 12 cm and side AB = 22 cm. Side BC = 15 cm. Find ∠BAC to one decimal place.

In triangle ABC, side AC = 14 cm and side AB = 25 cm. ∠BAC = 48.9°. Find side BC to one decimal place.

In triangle ABC, side BC = 13.7 cm and side AC = 14.0 cm. ∠ABC = 89°. Find ∠BAC to one decimal place.

In triangle ABC, ∠ABC = 51° and ∠BAC = 33°. Side AC = 10.9 cm. Find side BC to one decimal place.

Sine Rule & Cosine Rule (B)

In triangle ABC, side AC = 6 cm and side AB = 17 cm. ∠BAC = 40.1°. Find side BC to one decimal place.

In triangle ABC, ∠ABC = 75° and ∠BAC = 95°. Side AC = 10.6 cm. Find side BC to one decimal place.

In triangle ABC, side AC = 23 cm and side BC = 16 cm. ∠ACB = 36.8°. Find side AB to one decimal place.

In triangle ABC, side AC = 18 cm and side AB = 9 cm. Side BC = 25 cm. Find ∠BAC to one decimal place.

In triangle ABC, side AC = 20.1 cm and side AB = 20.7 cm. ∠BAC = 55°. Find ∠ABC to one decimal place.

Sine Rule & Cosine Rule (C)

In triangle ABC, $\angle BAC = 35°$ and $\angle ACB = 45°$. Side BC = 9.2 cm. Find side AB to one decimal place.

In triangle ABC, side AC = 10 cm and side BC = 18 cm. Side AB = 14 cm. Find $\angle ACB$ to one decimal place.

In triangle ABC, side AB = 27.9 cm and side BC = 18.7 cm. $\angle ABC = 52°$. Find $\angle ACB$ to one decimal place.

In triangle ABC, $\angle BAC = 44°$ and $\angle ACB = 92°$. Side BC = 13.2 cm. Find side AB to one decimal place.

In triangle ABC, side AC = 14 cm and side BC = 12 cm. $\angle ACB = 49.3°$. Find side AB to one decimal place.

Sine Rule & Cosine Rule (D)

In triangle ABC, side AB = 19.4 cm and side BC = 20.1 cm. ∠ABC = 94°. Find ∠ACB to one decimal place.

In triangle ABC, side AB = 11.0 cm and side BC = 12.1 cm. ∠ABC = 79°. Find ∠ACB to one decimal place.

In triangle ABC, ∠ABC = 88° and ∠BAC = 36°. Side AC = 26.0 cm. Find side BC to one decimal place.

In triangle ABC, side AB = 8 cm and side BC = 18 cm. ∠ABC = 84.6°. Find side AC to one decimal place.

In triangle ABC, side AC = 11 cm and side AB = 11 cm. Side BC = 12 cm. Find ∠BAC to one decimal place.

Sine Rule & Cosine Rule (E)

In triangle ABC, side AB = 20 cm and side BC = 15 cm. Side AC = 7 cm. Find ∠ABC to one decimal place.

In triangle ABC, side AC = 25 cm and side AB = 19 cm. ∠BAC = 30.7°. Find side BC to one decimal place.

In triangle ABC, ∠BAC = 100° and ∠ACB = 40°. Side BC = 24.6 cm. Find side AB to one decimal place.

In triangle ABC, side BC = 10.0 cm and side AC = 15.0 cm. ∠ABC = 94°. Find ∠BAC to one decimal place.

In triangle ABC, side AC = 10 cm and side BC = 9 cm. Side AB = 10 cm. Find ∠ACB to one decimal place.

Sine Rule & Cosine Rule (F)

In triangle ABC, side AC = 23.3 cm and side AB = 18.9 cm. ∠BAC = 90°. Find ∠ABC to one decimal place.

In triangle ABC, ∠BAC = 44° and ∠ACB = 38°. Side BC = 19.5 cm. Find side AB to one decimal place.

In triangle ABC, side AC = 20 cm and side AB = 23 cm. Side BC = 22 cm. Find ∠BAC to one decimal place.

In triangle ABC, side AB = 15 cm and side BC = 8 cm. ∠ABC = 107.5°. Find side AC to one decimal place.

In triangle ABC, side AB = 4.4 cm and side BC = 20.8 cm. ∠ABC = 71°. Find ∠ACB to one decimal place.

Sine Rule & Cosine Rule (G)

In triangle ABC, side AB = 6 cm and side BC = 9 cm. ∠ABC = 137.0°. Find side AC to one decimal place.

In triangle ABC, ∠BAC = 40° and ∠ACB = 50°. Side BC = 13.5 cm. Find side AB to one decimal place.

In triangle ABC, side AB = 21 cm and side BC = 19 cm. ∠ABC = 22.4°. Find side AC to one decimal place.

In triangle ABC, side AB = 16.3 cm and side BC = 13.6 cm. ∠ABC = 66°. Find ∠ACB to one decimal place.

In triangle ABC, side AC = 22 cm and side BC = 16 cm. Side AB = 12 cm. Find ∠ACB to one decimal place.

Sine Rule & Cosine Rule (H)

In triangle ABC, side AC = 18 cm and side BC = 22 cm. Side AB = 17 cm. Find ∠ACB to one decimal place.

In triangle ABC, ∠ABC = 75° and ∠BAC = 95°. Side AC = 18.4 cm. Find side BC to one decimal place.

In triangle ABC, side AB = 8 cm and side BC = 11 cm. ∠ABC = 76.5°. Find side AC to one decimal place.

In triangle ABC, side BC = 16.8 cm and side AC = 17.5 cm. ∠ABC = 77°. Find ∠BAC to one decimal place.

In triangle ABC, side AC = 18 cm and side BC = 22 cm. ∠ACB = 23.4°. Find side AB to one decimal place.

Sine Rule & Cosine Rule (I)

In triangle ABC, side AC = 20 cm and side BC = 24 cm. Side AB = 17 cm. Find ∠ACB to one decimal place.

In triangle ABC, side AC = 7 cm and side BC = 11 cm. ∠ACB = 29.5°. Find side AB to one decimal place.

In triangle ABC, side BC = 14.6 cm and side AC = 17.7 cm. ∠ABC = 100°. Find ∠BAC to one decimal place.

In triangle ABC, side AC = 17 cm and side BC = 7 cm. ∠ACB = 53.4°. Find side AB to one decimal place.

In triangle ABC, ∠BAC = 63° and ∠ACB = 55°. Side BC = 18.7 cm. Find side AB to one decimal place.

Sine Rule & Cosine Rule (J)

In triangle ABC, side AB = 20 cm and side BC = 22 cm. ∠ABC = 29.9°. Find side AC to one decimal place.

In triangle ABC, ∠ABC = 79° and ∠BAC = 84°. Side AC = 24.5 cm. Find side BC to one decimal place.

In triangle ABC, side BC = 28.8 cm and side AC = 26.5 cm. ∠ABC = 66°. Find ∠BAC to one decimal place.

In triangle ABC, ∠BAC = 83° and ∠ACB = 59°. Side BC = 17.9 cm. Find side AB to one decimal place.

In triangle ABC, side AC = 14 cm and side BC = 20 cm. Side AB = 21 cm. Find ∠ACB to one decimal place.