Exit Ticket U4 - Sine and Cosine Rule

Name:..   Date:.......................................

What is the most appropriate rule to use to find the missing value?

x

45°

10 cm 85°

A Sine Rule   **B** Cosine Rule

C SOHCAHTOA   **D** Pythagoras

Correct Answer: A B C D

Explanation:

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Which **one** of the following is the **correct** value for x in the diagram?

Not to scale

37°

5.62 cm

6 cm

x

A 37.0°, correct to 1 decimal place.

B 43.1°, correct to 1 decimal place.

C 34.3°, correct to 1 decimal place.

D 40.0°, correct to 1 decimal place.

Correct Answer: A B C D

Explanation:

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In the triangle ABC, angle A = 80°, AB = 8 cm and AC = 5 cm, as shown in the diagram.

C

5 cm

80°

A   8 cm   B

Not to scale

Which **one** of the following is the **correct** length for BC?

A 8.12 cm, correct to 2 decimal places.

B 8.67 cm, correct to 2 decimal places.

C 9.43 cm, correct to 2 decimal places.

D 10.14 cm, correct to 2 decimal places.

Correct Answer: A B C D

Explanation:

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