삼각비의 활용(직각삼감형, 예각 30°, 빗변 6)

(Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6))

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

Start

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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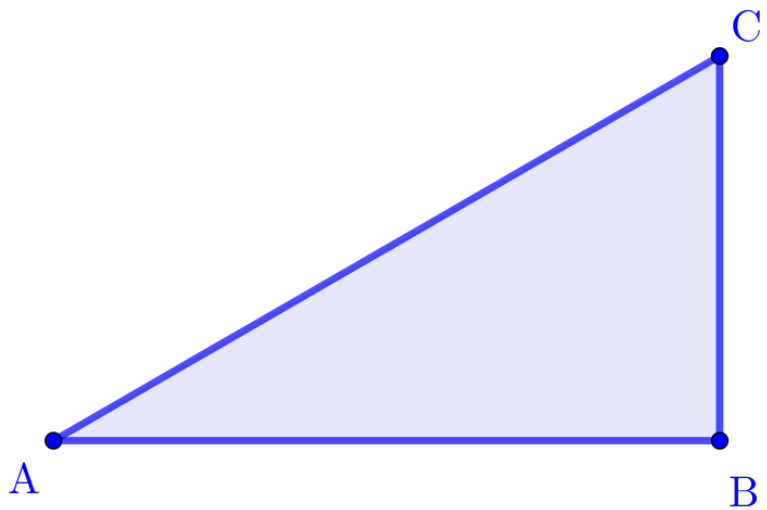

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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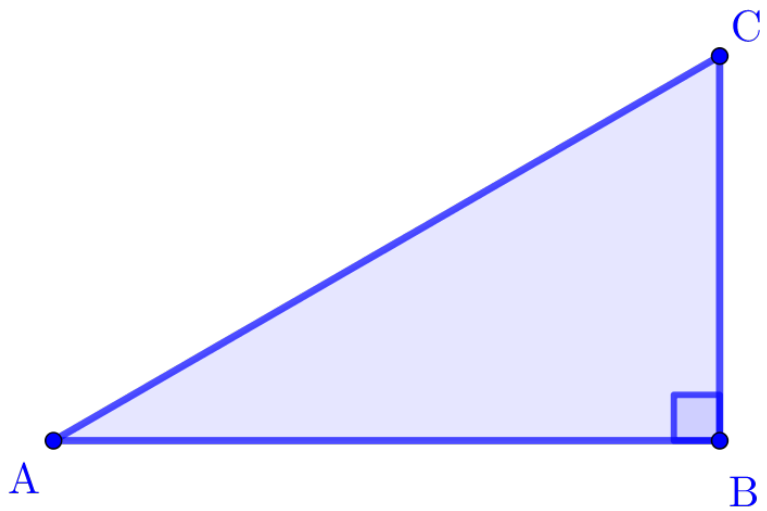

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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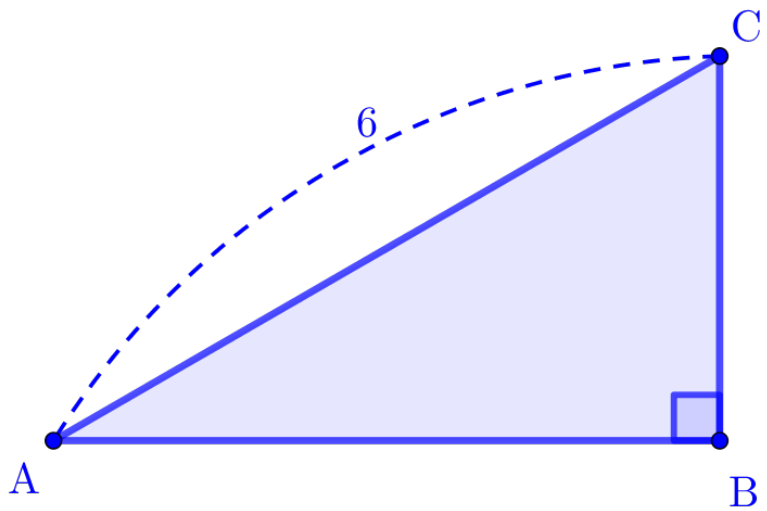

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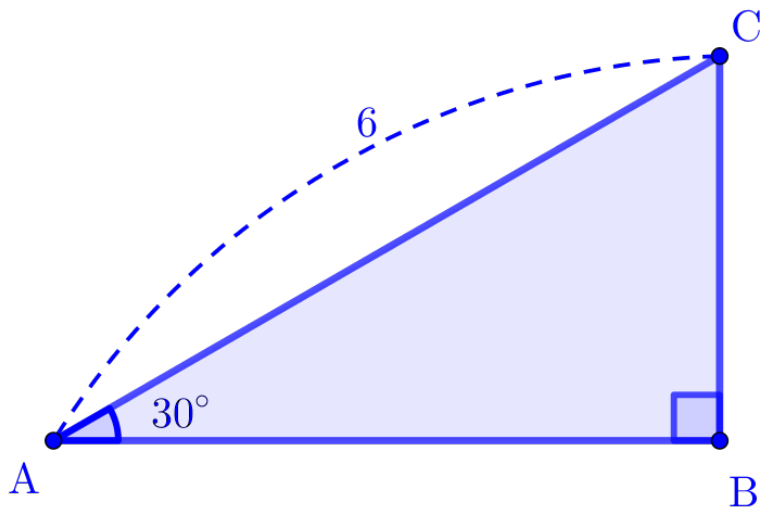

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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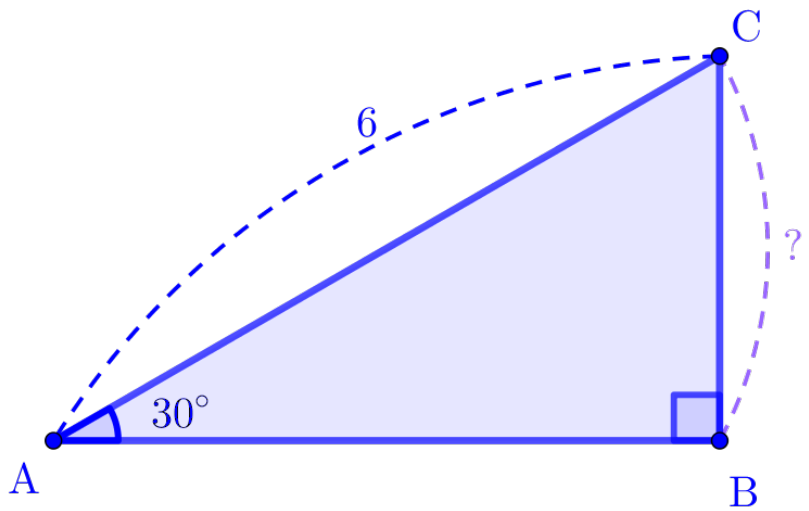
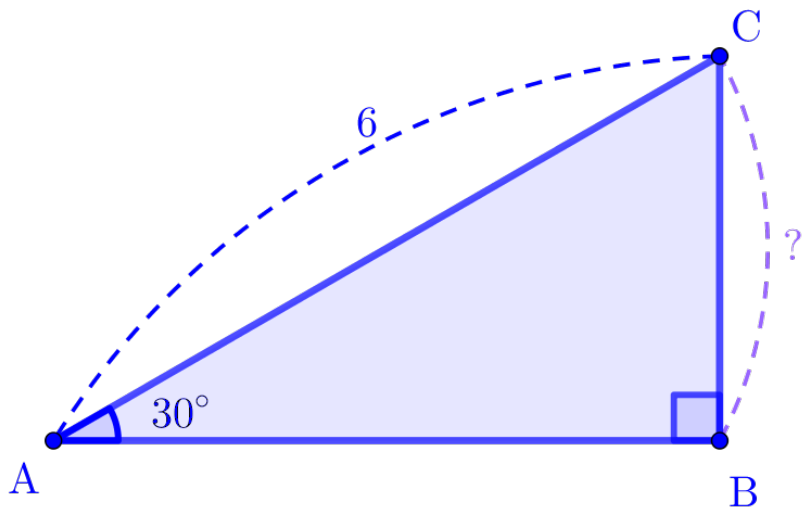


Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

Start

$$\sin 30^\circ = \frac{\overline{BC}}{6}$$



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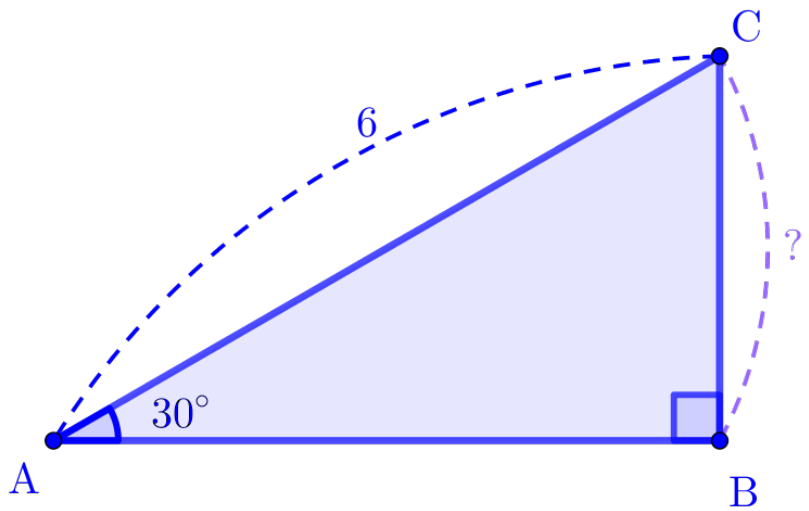

$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = 6 \sin 30^\circ$$

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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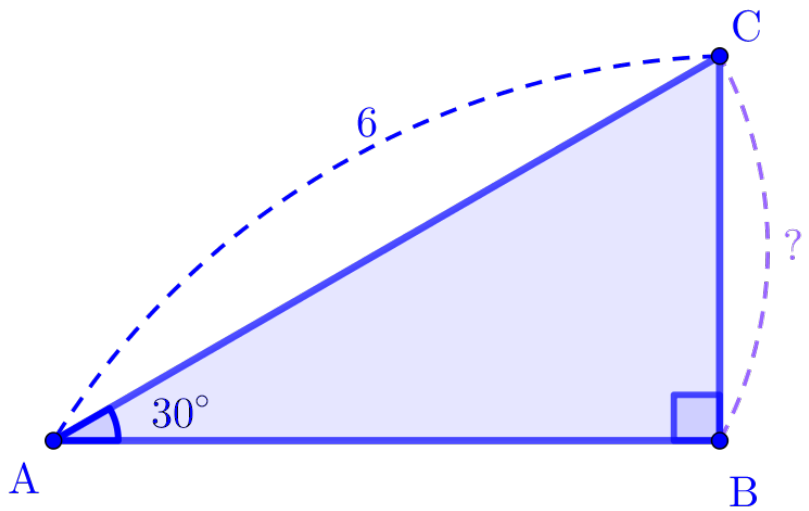

$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = 6 \sin 30^\circ$$

$$= 6 \times \frac{1}{2}$$

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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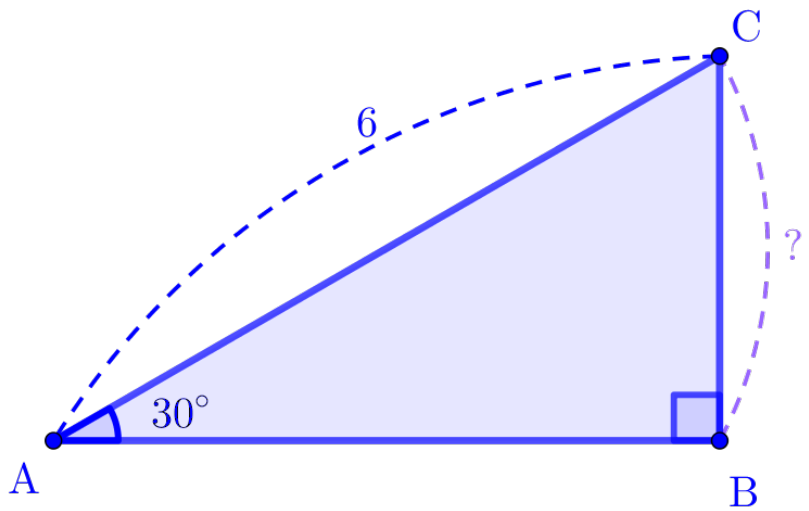

$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = 6 \sin 30^\circ$$

$$= 6 \times \frac{1}{2}$$

$$\therefore \overline{BC} = 3$$

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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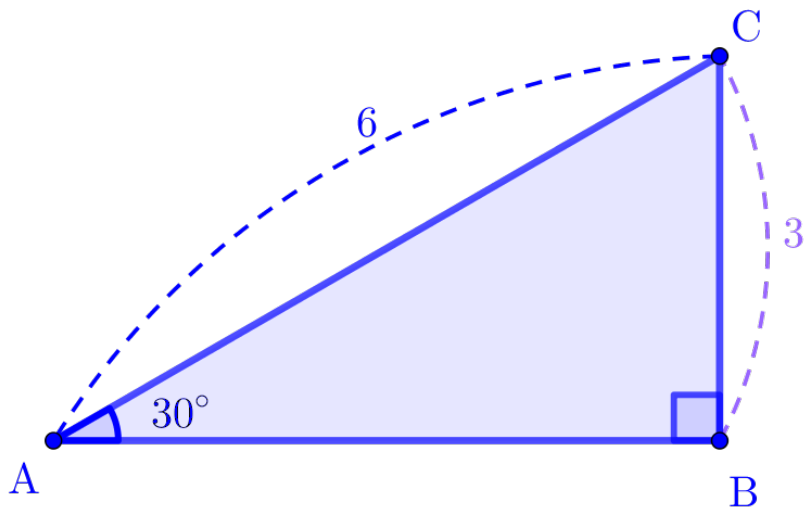

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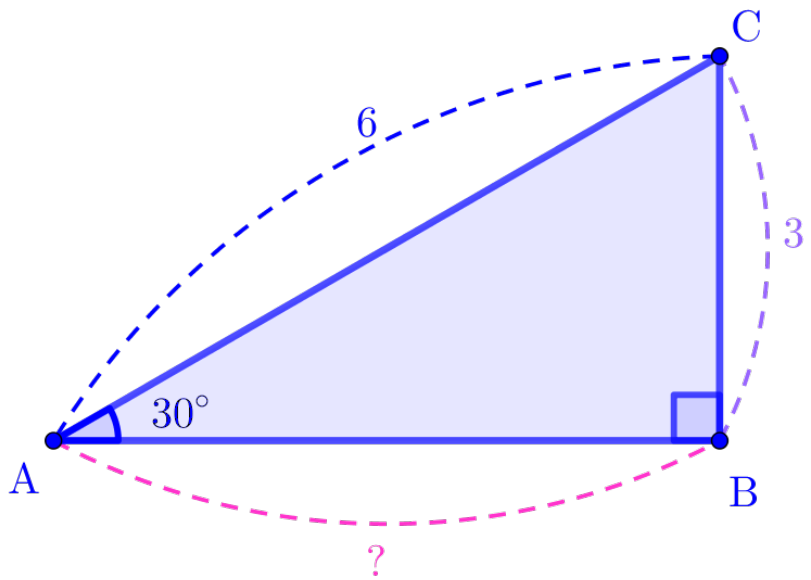

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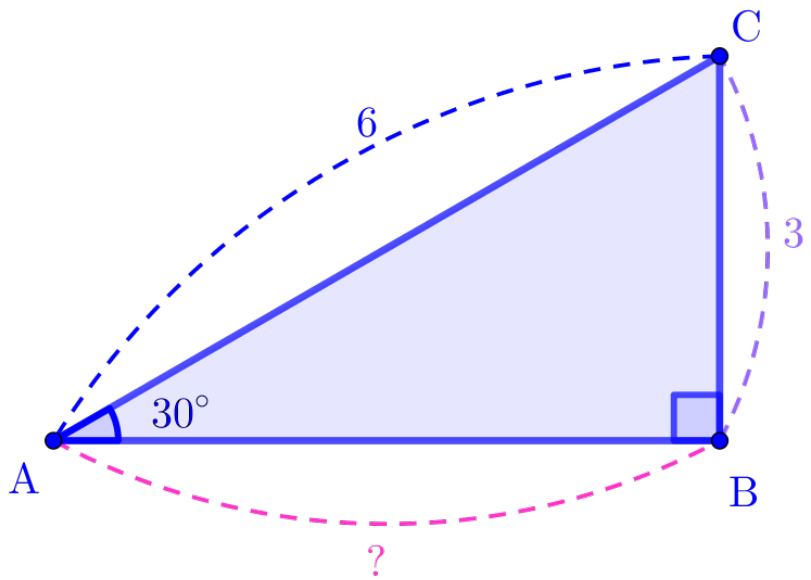

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$$\cos 30^\circ = \frac{\overline{AB}}{6}$$

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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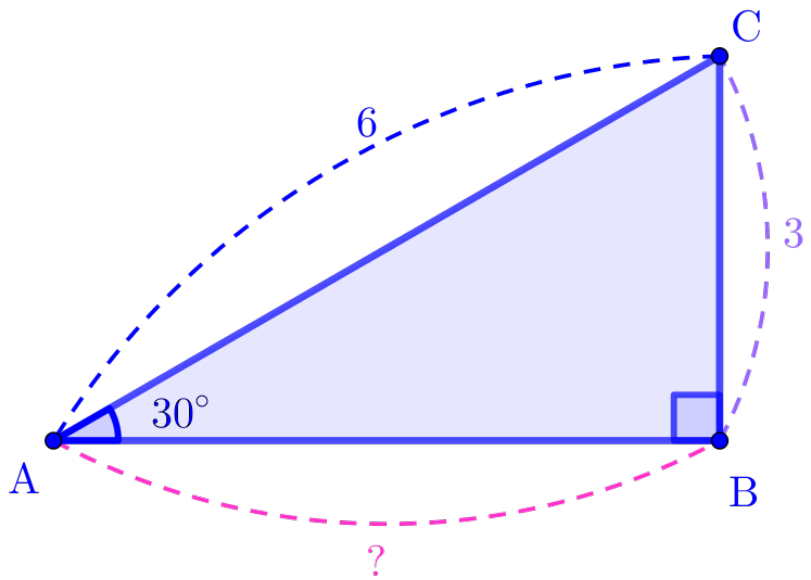

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$$\overline{BC} = 6\sin 30^\circ$$

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Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

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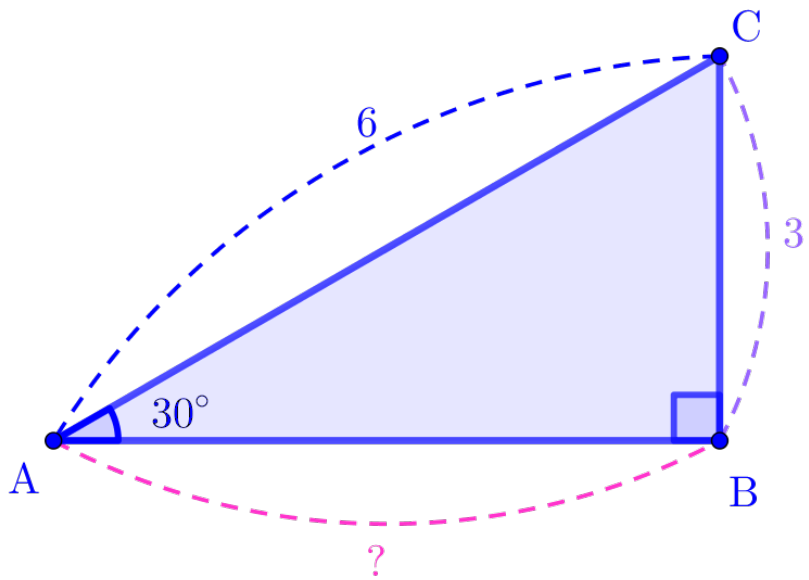


$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = 6\sin 30^\circ$$

$$= 6 \times \frac{1}{2}$$

$$\therefore \overline{BC} = 3$$

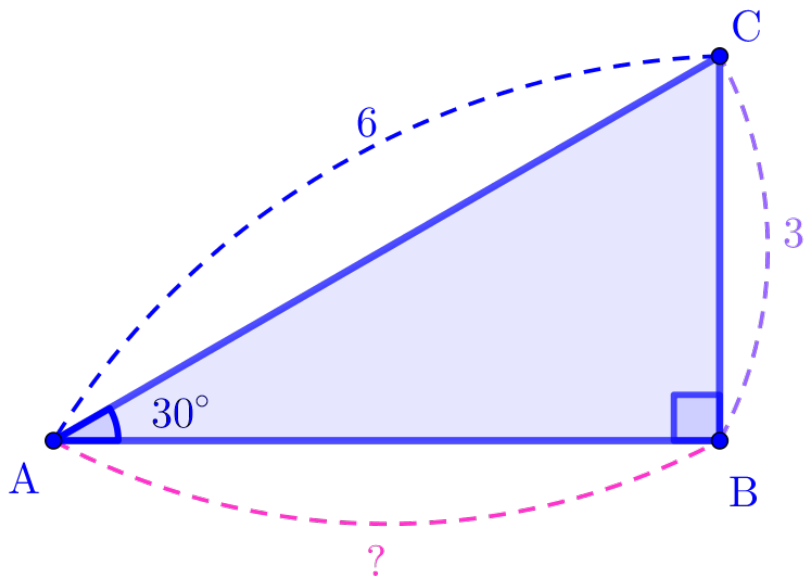
$$\cos 30^\circ = \frac{\overline{AB}}{6}$$

$$\overline{AB} = 6\cos 30^\circ$$

$$= 6 \times \frac{\sqrt{3}}{2}$$

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

Start



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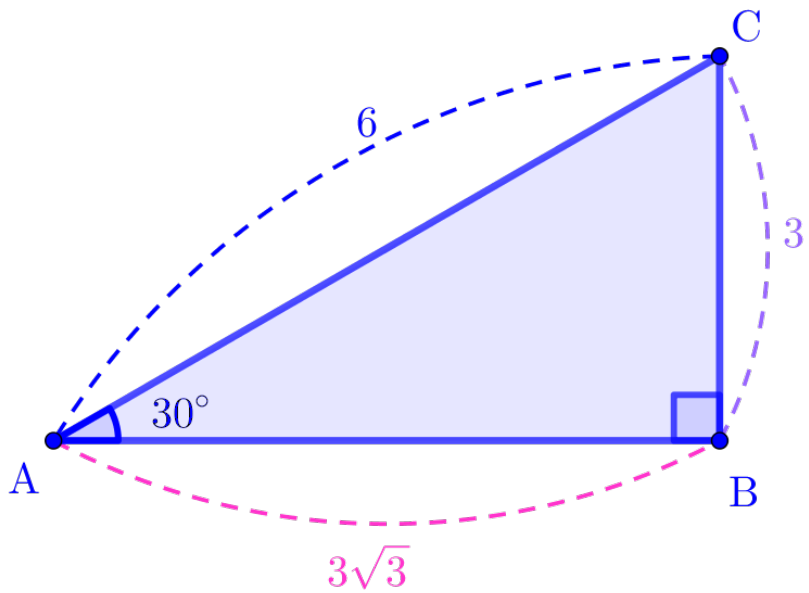
$$\overline{AB} = 6\cos 30^\circ$$

$$= 6 \times \frac{\sqrt{3}}{2}$$

$$\therefore \overline{AB} = 3\sqrt{3}$$

Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

Start



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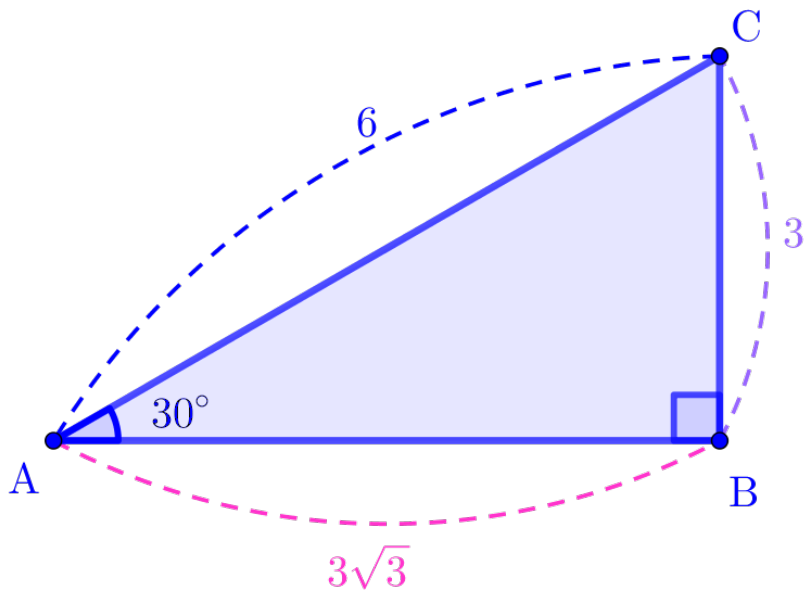
Application of Trigonometric Ratio(Right Triangle, Acute Angle 30°, Hypotenuse 6)

Home



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