삼각비의 활용(직각삼감형, 예각 30도, 빗변 6)

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

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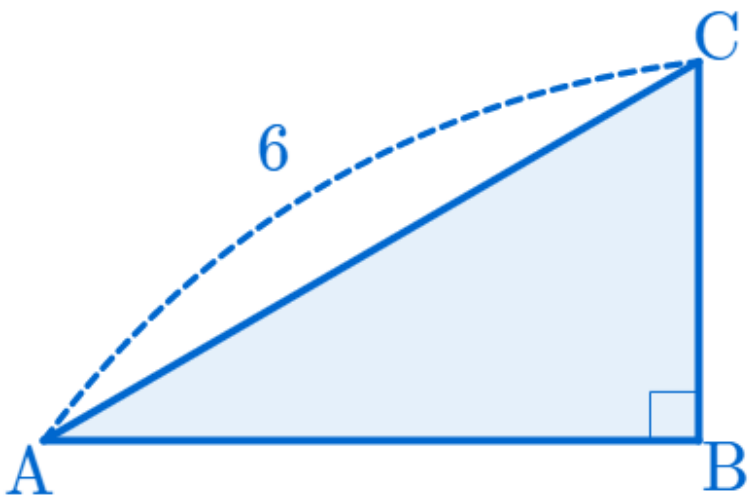
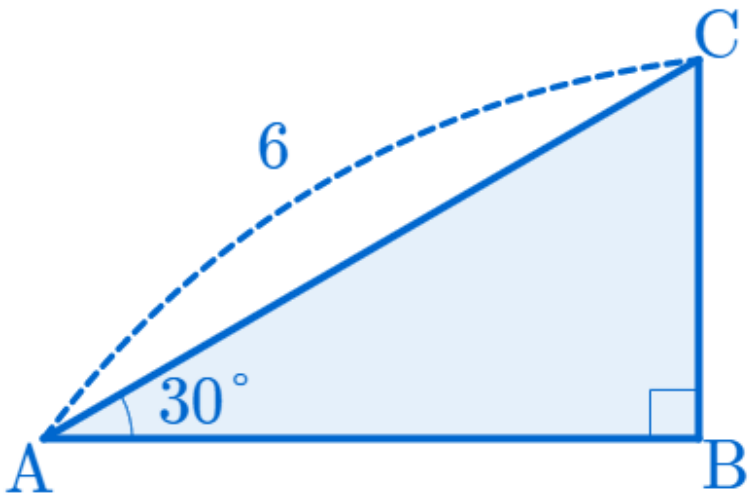
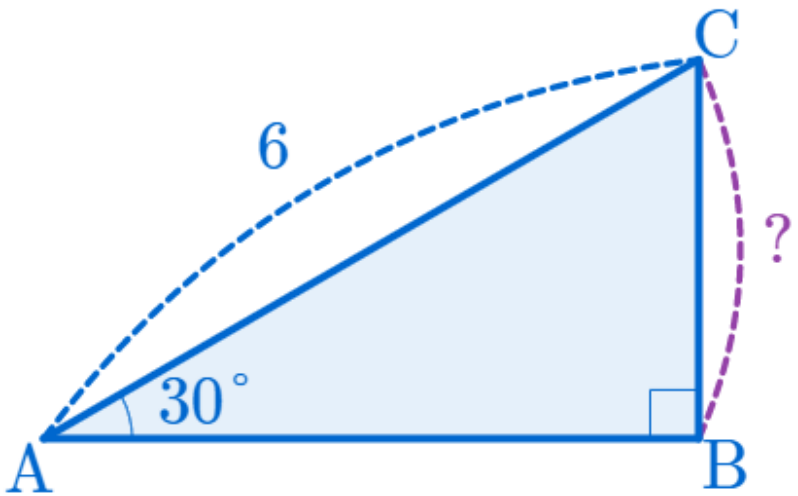
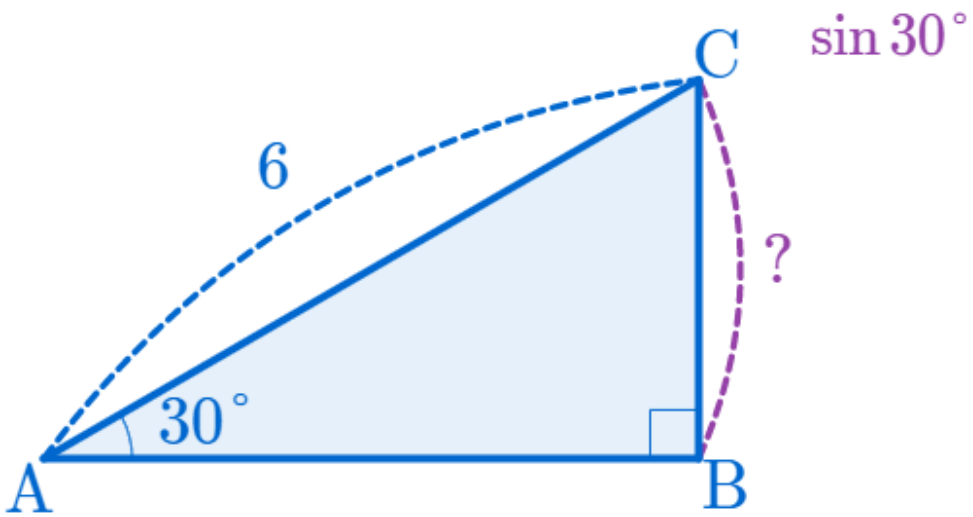


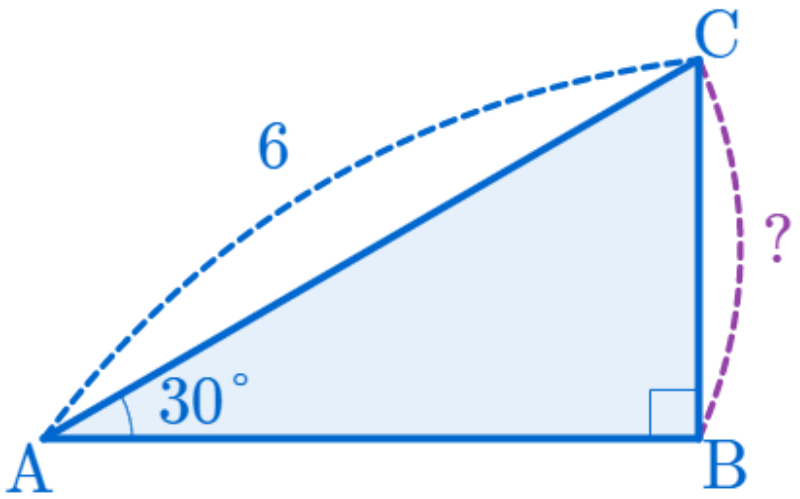
Application of Trigonometric Ratio(Right Triangle, Acute Angle 30 Degree, Hypotenuse 6)



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

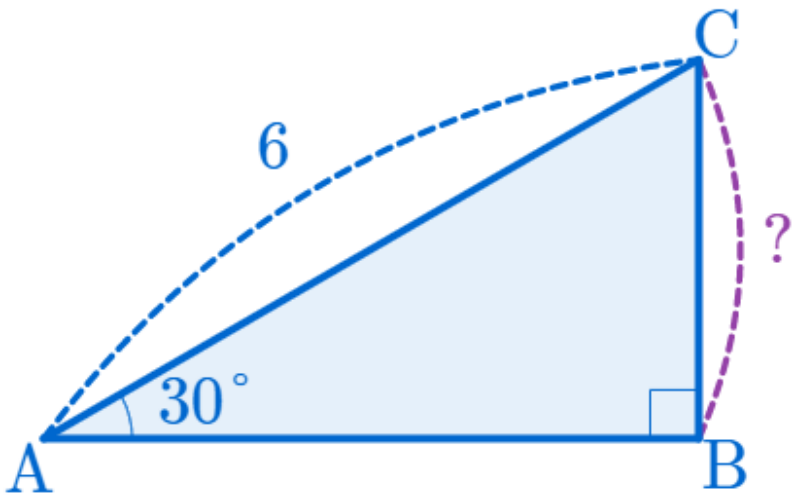



C
sin 30°
6
?
30°
A
B



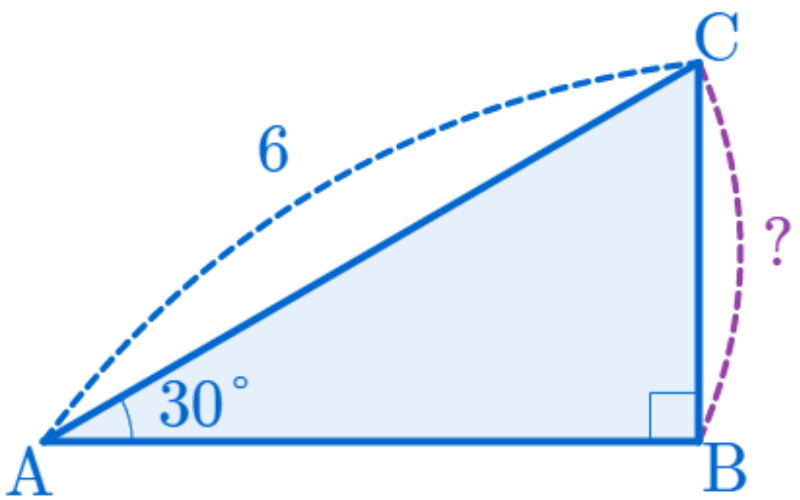
$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

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



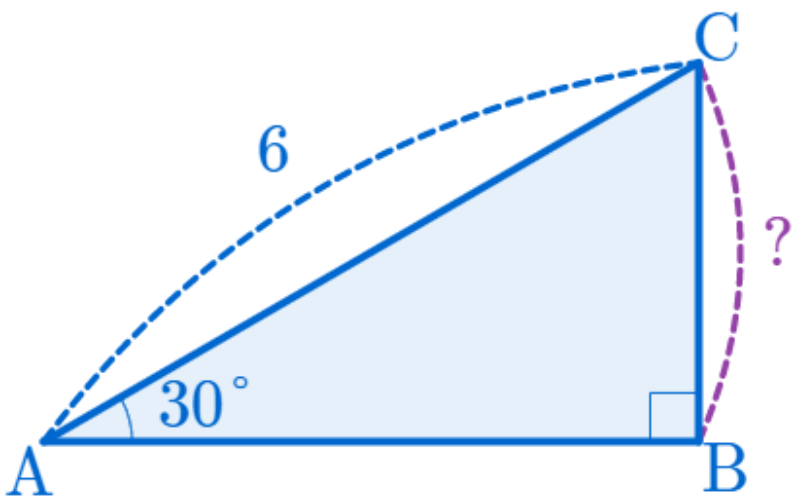
$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC}$$



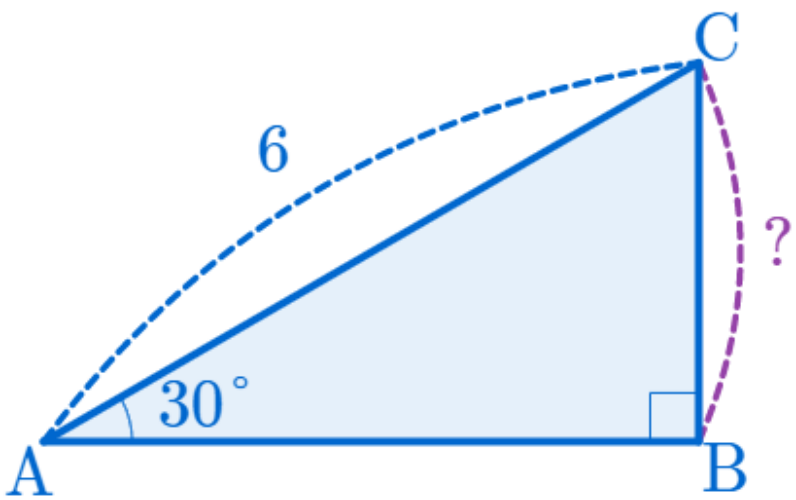
$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

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



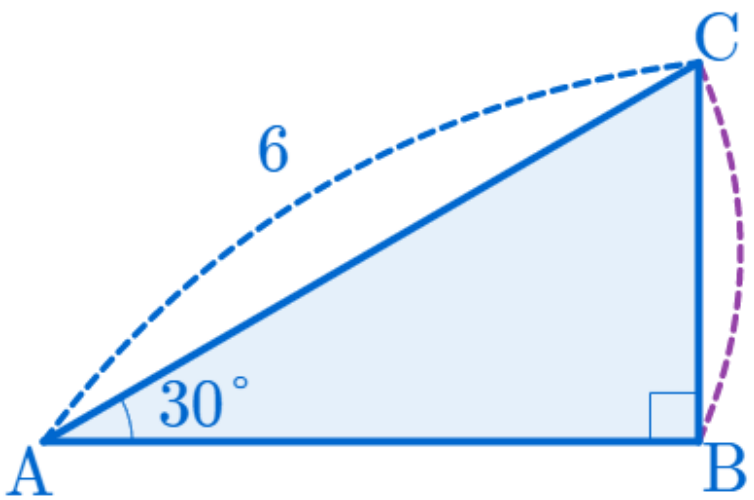
$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6$$



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

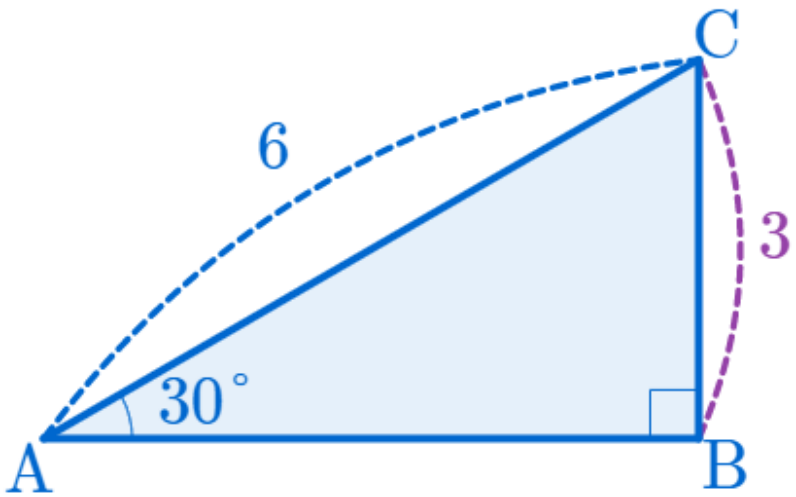
$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6 = 3$$



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

$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6 = 3$$

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



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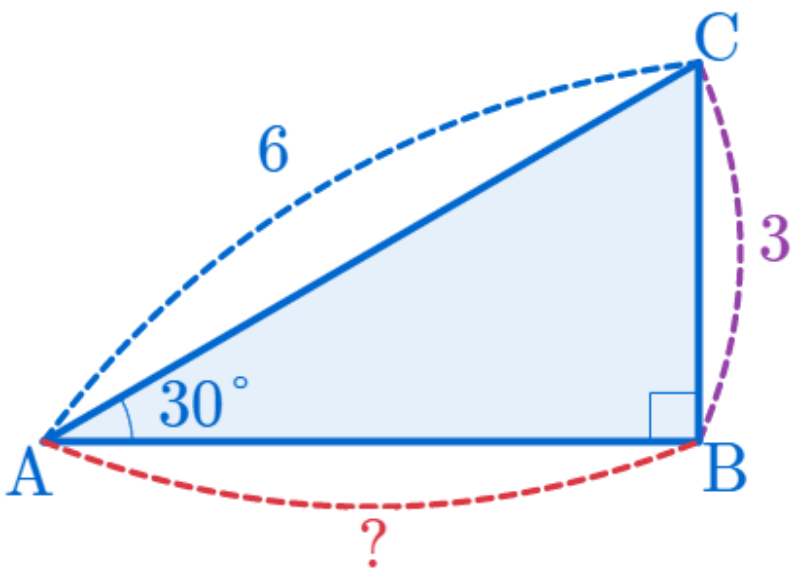

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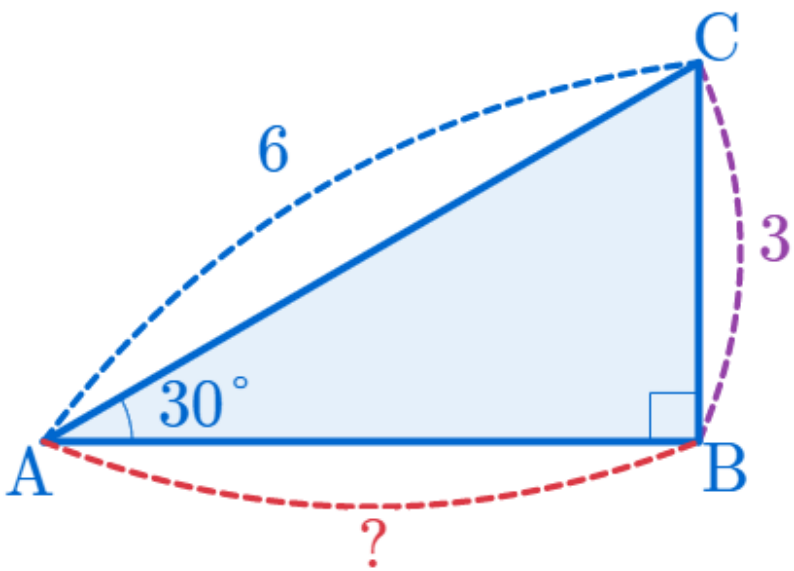
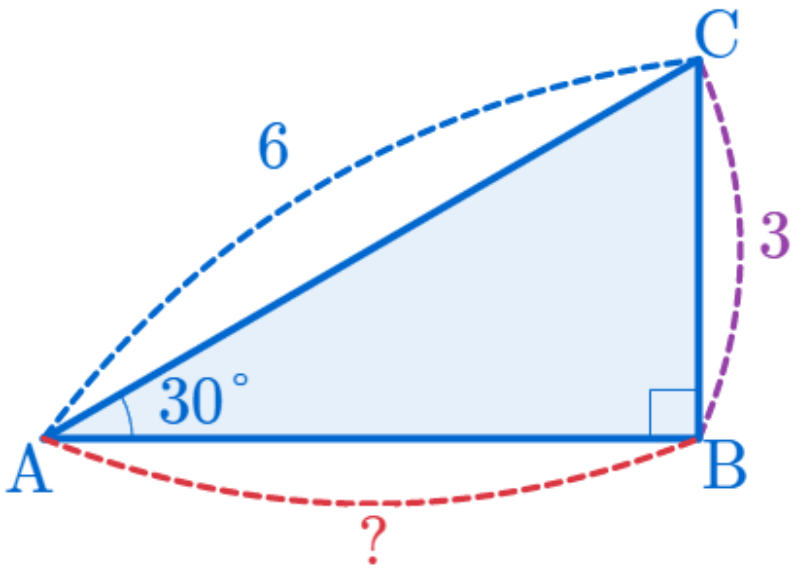


$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6 = 3$$

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

$\cos 30^\circ$

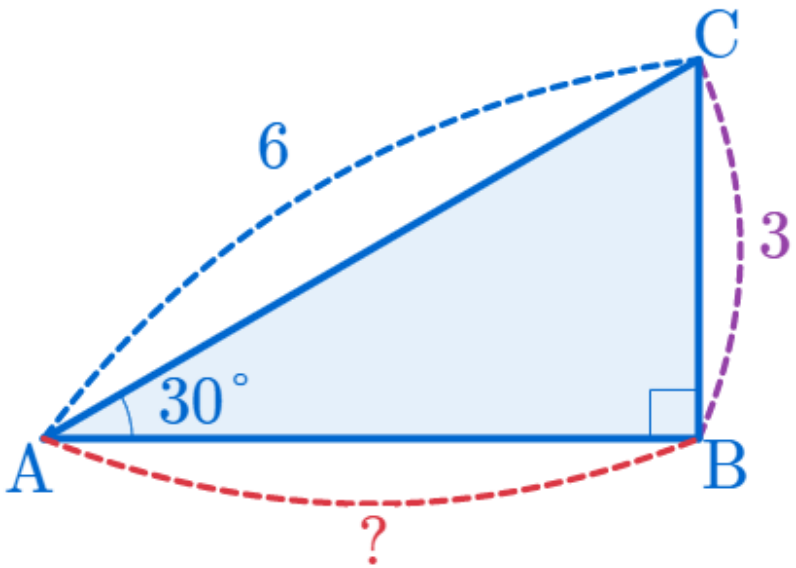


$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6 = 3$$

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

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



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

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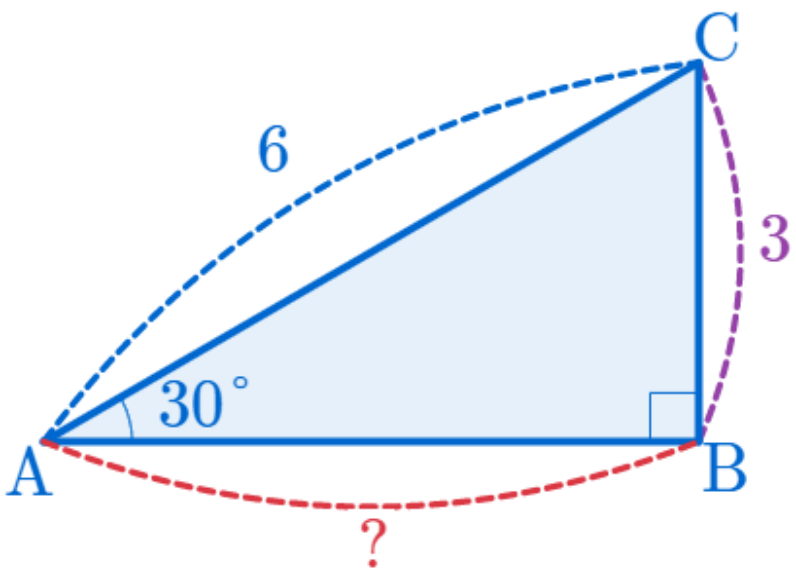
$$\therefore \overline{BC} = 3$$

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

$$\overline{AB}$$



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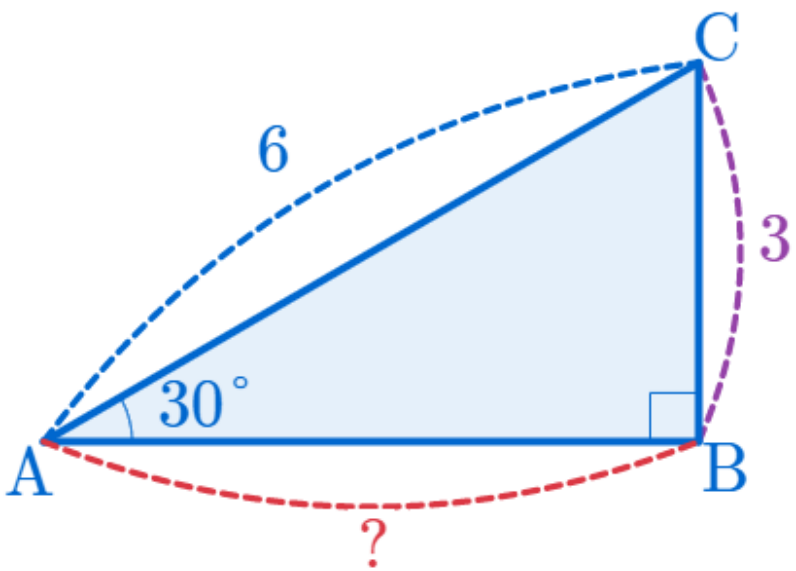
$$\cos 30^\circ = \frac{\overline{AB}}{6}$$

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



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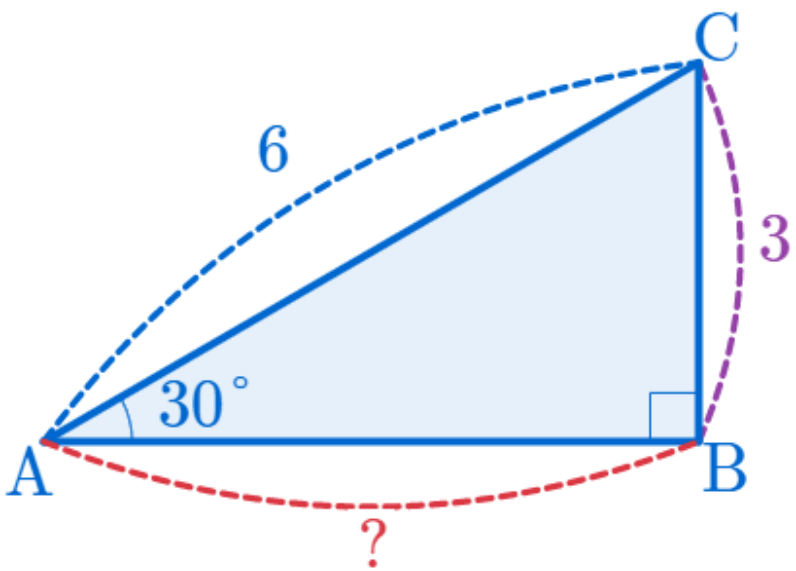
$$\cos 30^\circ = \frac{\overline{AB}}{6}$$

$$\overline{AB} = \cos 30^\circ \times 6 = \frac{\sqrt{3}}{2} \times 6$$



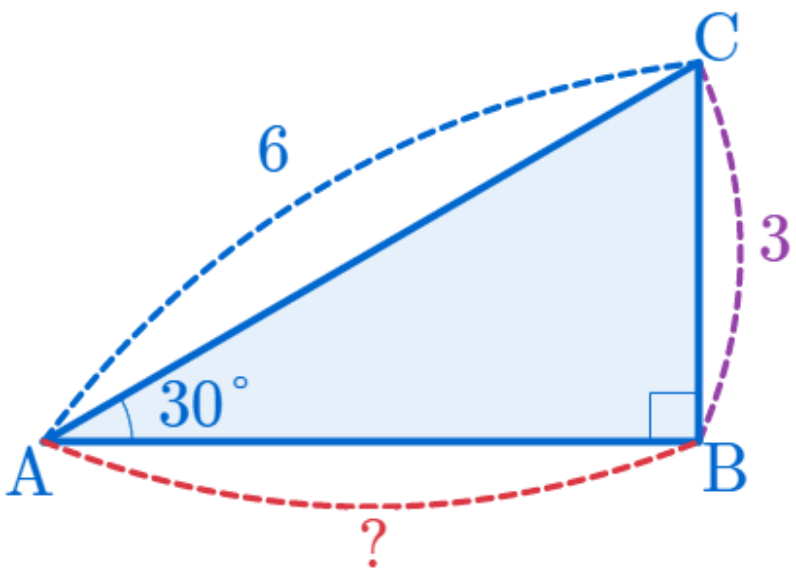
$$\sin 30^\circ = \frac{\overline{BC}}{6}$$

$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6 = 3$$

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

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

$$\overline{AB} = \cos 30^\circ \times 6 = \frac{\sqrt{3}}{2} \times 6 = 3\sqrt{3}$$



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

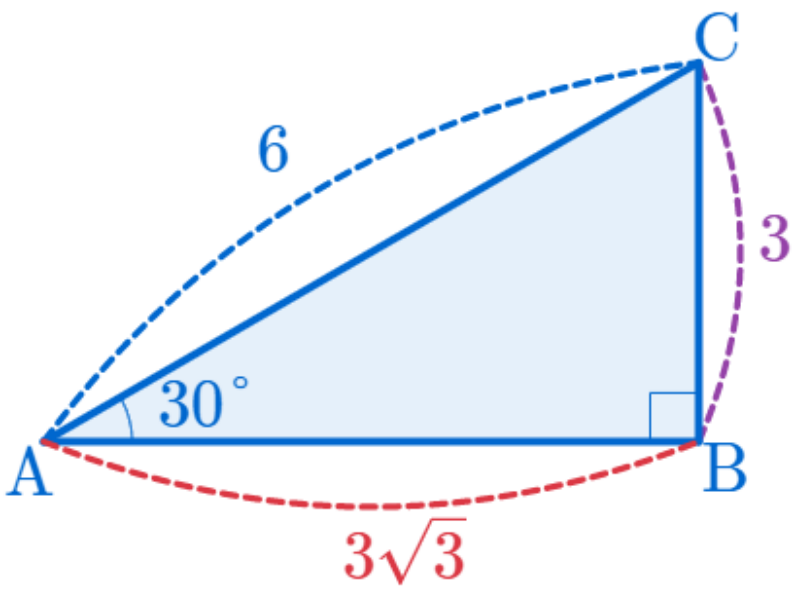
$$\overline{BC} = \sin 30^\circ \times 6 = \frac{1}{2} \times 6 = 3$$

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

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

$$\overline{AB} = \cos 30^\circ \times 6 = \frac{\sqrt{3}}{2} \times 6 = 3\sqrt{3}$$

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



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

$$\overline{AB} = \cos 30^\circ \times 6 = \frac{\sqrt{3}}{2} \times 6 = 3\sqrt{3}$$

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

Github:
https://min7014.github.io/math20200126001.html

Click or paste URL into the URL search bar, and you can see a picture moving.