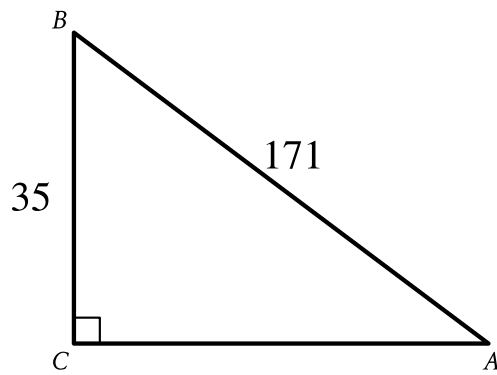


#1

ID: 87a9a2d4



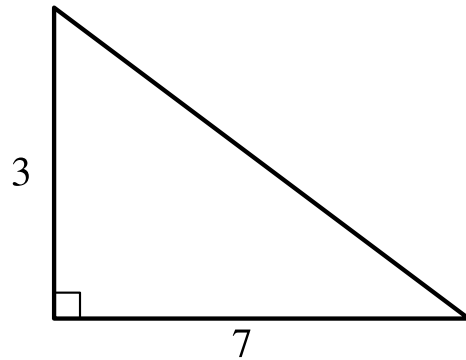
Note: Figure not drawn to scale.

In the right triangle shown, what is the value of $\sin A$?

- A) $\frac{1}{171}$
- B) $\frac{35}{171}$
- C) $\frac{171}{35}$
- D) 171

#2

ID: e6f2ace7



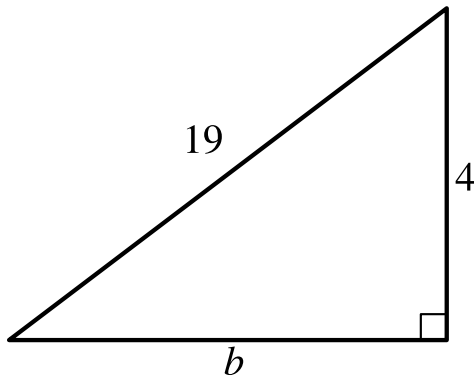
Note: Figure not drawn to scale.

The lengths of the legs of a right triangle are shown. Which of the following is closest to the length of the triangle's hypotenuse?

- A) 3.2
- B) 5
- C) 7.6
- D) 20

#3

ID: b0c5ece5



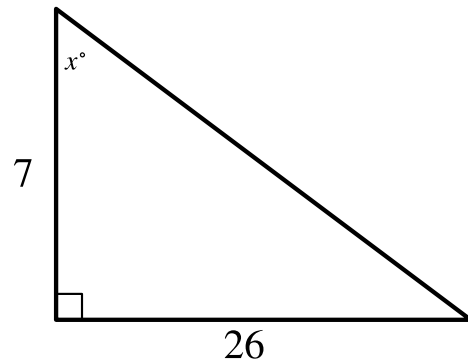
Note: Figure not drawn to scale.

Which equation shows the relationship between the side lengths of the given triangle?

- A) $4b = 19$
- B) $4 + b = 19$
- C) $4^2 + b^2 = 19^2$
- D) $4^2 - b^2 = 19^2$

#4

ID: 64c1f044



Note: Figure not drawn to scale.

In the triangle shown, what is the value of $\tan x^\circ$?

- A) $\frac{1}{26}$
- B) $\frac{19}{26}$
- C) $\frac{26}{7}$
- D) $\frac{33}{7}$

#5

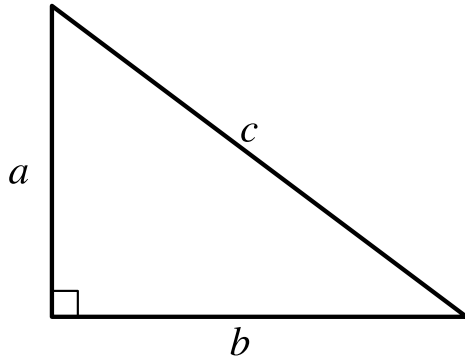
ID: 379ffefb

A right triangle has legs with lengths of 11 centimeters and 9 centimeters. What is the length of this triangle's hypotenuse, in centimeters?

- A) $\sqrt{40}$
- B) $\sqrt{202}$
- C) 20
- D) 202

#6

ID: c9f8d1e9



Note: Figure not drawn to scale.

For the right triangle shown, $a = 4$ and $b = 5$. Which expression represents the value of c ?

- A) $4 + 5$
- B) $\sqrt{(4)(5)}$
- C) $\sqrt{4 + 5}$
- D) $\sqrt{4^2 + 5^2}$