#1   ID: e6f2ace7
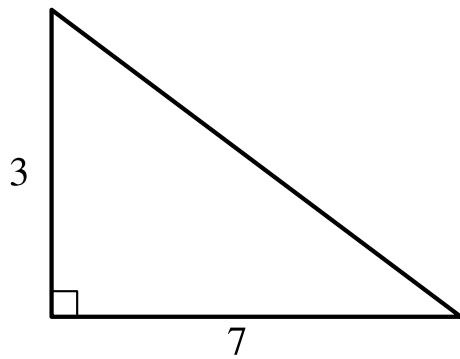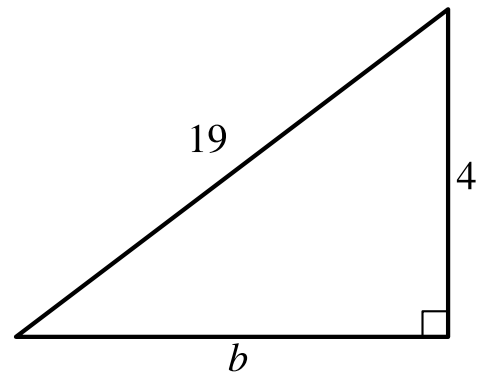

Note: Figure not drawn to scale.

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

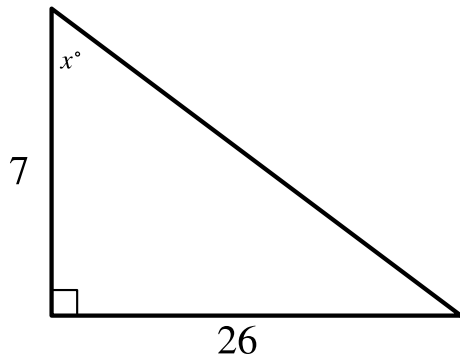**#2**   ID: b0c5ece5

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) $4^2 + b^2 = 19^2$

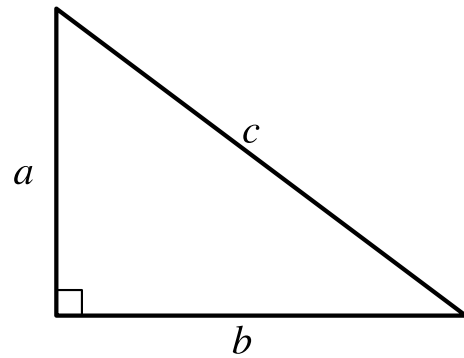D) $4^2 - b^2 = 19^2$

#3   ID: 64c1f044

$x°$

7

26

Note: Figure not drawn to scale.

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

A) $\frac{1}{26}$

B) $\frac{19}{26}$

C) $\frac{26}{7}$

D) $\frac{33}{7}$

#5   ID: c9f8d1e9

c

a

b

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) $\sqrt{4^2 + 5^2}$

#4   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