

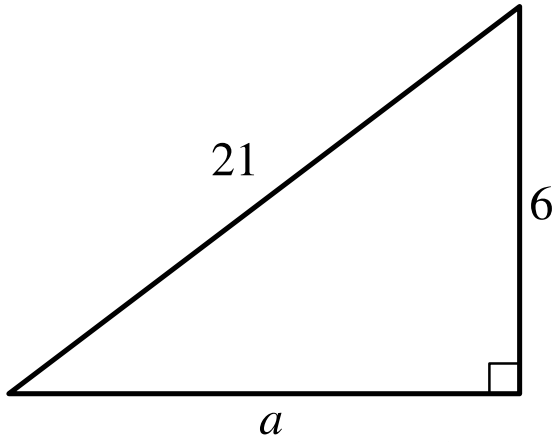
In the figure above, what is the value of $\tan(A)$?

A. $\frac{20}{29}$

B. $\frac{21}{29}$

C. $\frac{20}{21}$

D. $\frac{21}{20}$



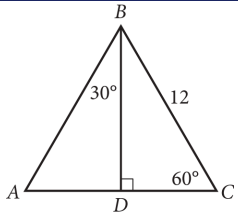
Note: Figure not drawn to scale.

For the triangle shown, which expression represents the value of a ?

- A. $\sqrt{21^2 - 6^2}$
- B. $21^2 - 6^2$
- C. $\sqrt{21 - 6}$
- D. $21 - 6$

A right triangle has legs with lengths of **28** centimeters and **20** centimeters. What is the length of this triangle's hypotenuse, in centimeters?

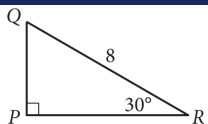
- A. $8\sqrt{6}$
- B. $4\sqrt{74}$
- C. 48
- D. 1,184



In $\triangle ABC$ above, what is the length of \overline{AD} ?

- A. 4
- B. 6
- C. $6\sqrt{2}$
- D. $6\sqrt{3}$

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In the right triangle shown above, what is the length of \overline{PQ} ?

The length of a rectangle's diagonal is $5\sqrt{17}$, and the length of the rectangle's shorter side is 5. What is the length of the rectangle's longer side?

- A. $\sqrt{17}$
- B. 20
- C. $15\sqrt{2}$
- D. 400