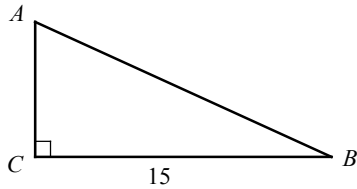


Exercises - Area of a Triangle

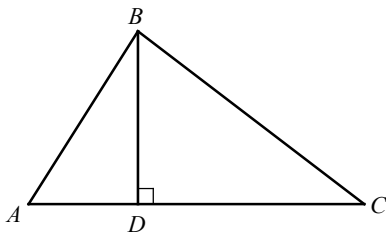
1



In the figure above, the area of right triangle ABC is 60. What is the perimeter of $\triangle ABC$?

- A) 34
- B) 36
- C) 38
- D) 40

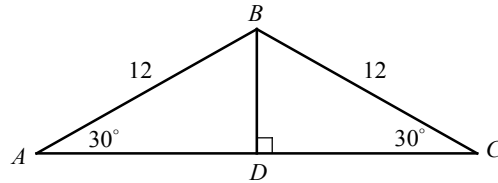
2



In triangle ABC above, if BD was increased by 50 percent and AC was reduced by 50 percent, how would the area of $\triangle ABC$ change?

- A) The area of $\triangle ABC$ would be decreased by 25 percent.
- B) The area of $\triangle ABC$ would be increased by 25 percent.
- C) The area of $\triangle ABC$ would not change.
- D) The area of $\triangle ABC$ would be decreased by 50 percent.

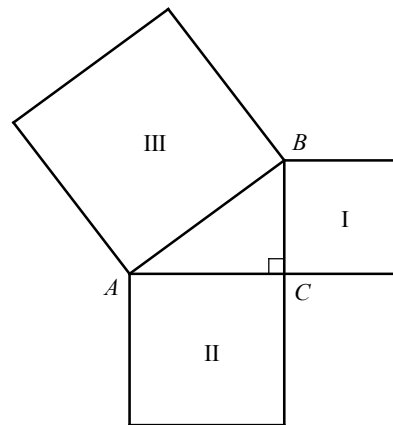
3



In the figure above, what is the area of $\triangle ABC$?

- A) $24\sqrt{3}$
- B) $30\sqrt{3}$
- C) $36\sqrt{3}$
- D) $48\sqrt{3}$

4



The figure above shows right triangle $\triangle ABC$ and three squares. If the area of square region I is 80 square inches and the area of square region II is 150 square inches, which of the following is true about the area of square region III?

- A) Less than 230 square inches.
- B) More than 230 square inches.
- C) Equal to 230 square inches.
- D) It cannot be determined from the information given.