

GMAT Geometry Practice Test 4

GMAT Practice question 1

What is the area of an isosceles triangle if two of its sides measure 6 and 12?

- A. $8\sqrt{5}$
- B. $15\sqrt{5}$
- C. $9\sqrt{15}$
- D. $9\sqrt{5}$
- E. $12\sqrt{5}$

GMAT Practice question 2

If the midpoint of $\overline{VU}$ is $(6, 7)$ and Point V is at $(2, 9)$, what are the coordinates of Point U ?

Possible Answers:

$(-5, 10)$

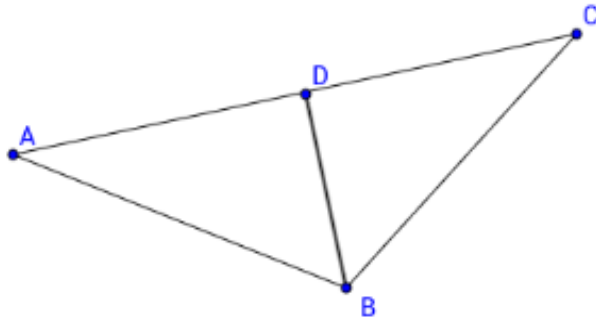
$(5, 10)$

$(23, 14)$

$(14, 23)$

$(10, 5)$

GMAT Practice question 3



ABC is a triangle with height BD . What is the length DC ?

(1) The triangle has an area of 24 and $AD = 6$.

(2) $\angle DAB = 27^\circ$ and $\angle DBC = 63^\circ$.

Possible Answers:

Statement 2 alone is sufficient.

Both statements together are sufficient.

Statement 1 alone is sufficient.

Each statement alone is sufficient.

Statements 1 and 2 together are insufficient.

GMAT Practice question 4

How many diagonals does a 63-sided convex polygon have?

- A. 3780
- B. 1890
- C. 3843
- D. 3906
- E. 1953

GMAT Practice question 5

Is triangle ABC obtuse angled?

1. $a^2 + b^2 > c^2$.
2. The center of the circle circumscribing the triangle does not lie inside the triangle.