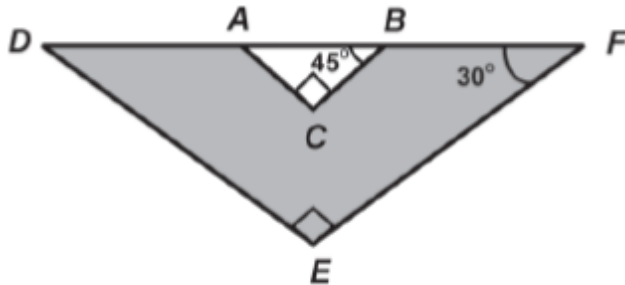


GMAT Geometry Practice Test 1

GMAT Practice question 1



The figure above shows the setup of a park DEF where a concert has to be arranged. ABC represents the stage (and the shaded region represents the alley for attendees). If the area of the park is 7203 square metres, and $AB = BF = DA$, what is the area of the stage? (in square metres)

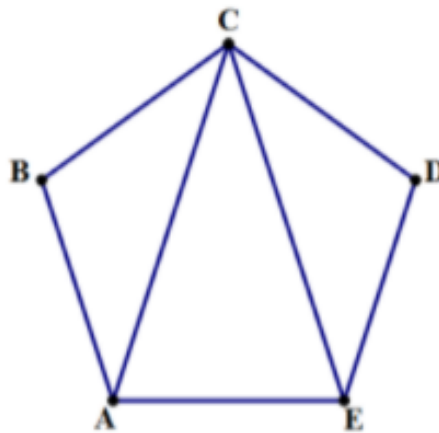
- (A) 4
(B) 8
(C) 10
(D) 12
(E) 16

GMAT Practice question 2

Vertices of a quadrilateral ABCD are A(0, 0), B(4, 5), C(9, 9) and D(5, 4). What is the shape of the quadrilateral?

- A. Square
- B. Rectangle but not a square
- C. Rhombus
- D. Parallelogram but not a rhombus
- E. Kite

GMAT Practice question 3



Given that ABCDE is a regular pentagon, what is the measure of $\angle ACE$?

- ☐ A. 24°
- ☐ B. 30°
- ☐ C. 36°
- ☐ D. 40°
- ☐ E. 45°

GMAT Practice question 4

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 5

The equations of two lines are:

$$4x + 5y = 20$$

$$Ax + 8y = B$$

Are these lines perpendicular?

Statement 1: $A = 4$

Statement 2: $B = -20$

Possible Answers:

Statement 2 ALONE is sufficient to answer the question, but Statement 1 ALONE is not sufficient to answer the question.

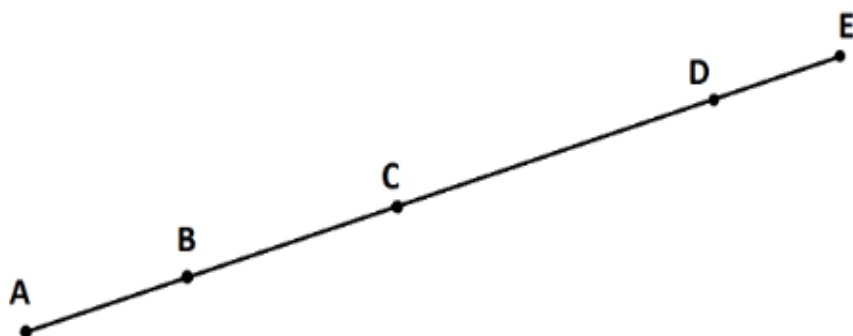
Statement 1 ALONE is sufficient to answer the question, but Statement 2 ALONE is not sufficient to answer the question.

BOTH statements TOGETHER are insufficient to answer the question.

EITHER statement ALONE is sufficient to answer the question.

BOTH statements TOGETHER are sufficient to answer the question, but NEITHER statement ALONE is sufficient to answer the question.

GMAT Practice question 6



Note: Figure NOT drawn to scale.

Evaluate AE .

Statement 1: $AD = 24$

Statement 2: $BE = 24$

Possible Answers:

Statement 2 ALONE is sufficient to answer the question, but Statement 1 ALONE is NOT sufficient to answer the question.

BOTH statements TOGETHER are sufficient to answer the question, but NEITHER statement ALONE is sufficient to answer the question.

EITHER statement ALONE is sufficient to answer the question.

Statement 1 ALONE is sufficient to answer the question, but Statement 2 ALONE is NOT sufficient to answer the question.

BOTH statements TOGETHER are insufficient to answer the question.