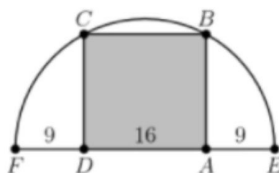


AMC 8, 2020, Problem 18

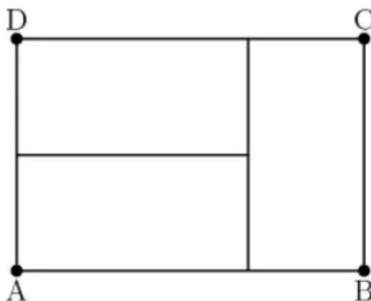
Rectangle $ABCD$ is inscribed in a semicircle with diameter \overline{FE} as shown in the figure. Let $DA = 16$, and let $FD = AE = 9$. What is the area of $ABCD$?



- (A) 240 (B) 248 (C) 256 (D) 264 (E) 272.

AMC 8, 2019, Problem 2

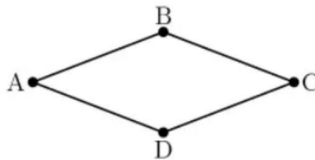
Three identical rectangles are put together to form rectangle $ABCD$, as shown in the figure below. Given that the length of the shorter side of each of the smaller rectangles is 5 feet, what is the area in square feet of rectangle $ABCD$?



- (A) 45 (B) 75 (C) 100 (D) 125 (E) 150.

AMC 8, 2019, Problem 4

Quadrilateral $ABCD$ is a rhombus with perimeter 52 meters. The length of diagonal \overline{AC} is 24 meters. What is the area in square meters of rhombus $ABCD$?



- (A) 60 (B) 90 (C) 105 (D) 120 (E) 144.

AMC 8, 2019, Problem 24

In triangle ABC , point D divides



REQUEST FULL ACCESS