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2015 Q6

6. In $\triangle ABC$, $AB = BC = 29$, and $AC = 42$. What is the area of $\triangle ABC$?

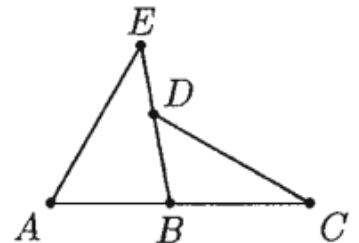
- (A) 100 (B) 420 (C) 500 (D) 609 (E) 701

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1994 Q7

7. If $\angle A = 60^\circ$, $\angle E = 40^\circ$ and $\angle C = 30^\circ$, then $\angle BDC =$

- (A) 40° (B) 50° (C) 60°
(D) 70° (E) 80°



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2015 Q8

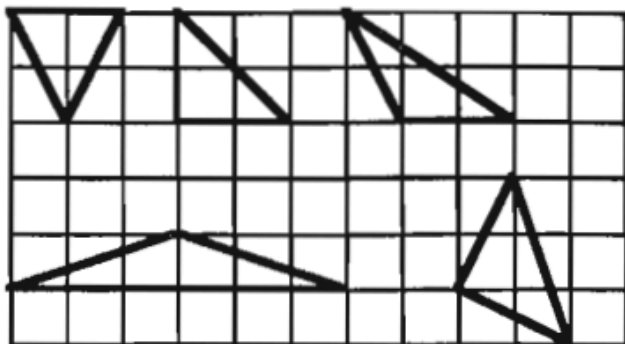
8. What is the smallest whole number larger than the perimeter of any triangle with a side of length 5 and a side of length 19?

- (A) 24 (B) 29 (C) 43 (D) 48 (E) 57

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1988 Q9

9. An isosceles triangle is a triangle with two sides of equal length. How many of the five triangles on the square grid below are isosceles?



- A) 1 B) 2 C) 3 D) 4 E) 5

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2014 Q9

9. In $\triangle ABC$, D is a point on side \overline{AC} such that $BD = DC$ and $\angle BCD$ measures 70° . What is the degree measure of $\angle ADB$?

- (A) 100 (B) 120 (C) 135 (D) 140 (E) 150

