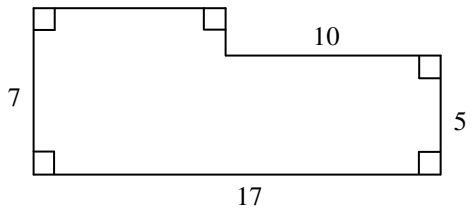
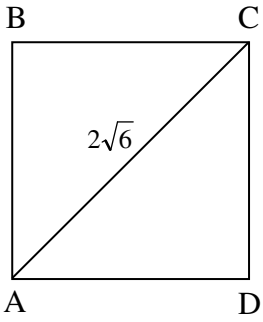
Geometry Review 11.1 to 11.4 Worksheet

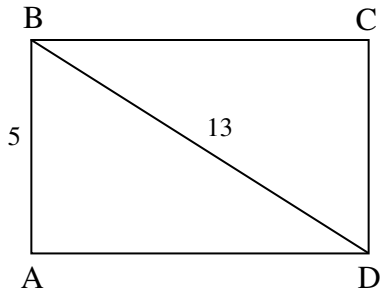
(1) Find the area of the figure if consecutive sides are $\perp$



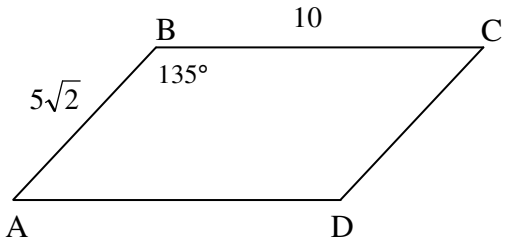
(2) Find the area and perimeter of the square below.



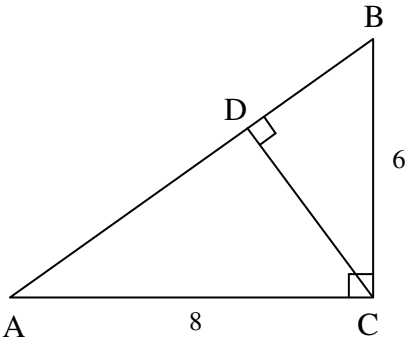
(3) Find the area of the rectangle below.



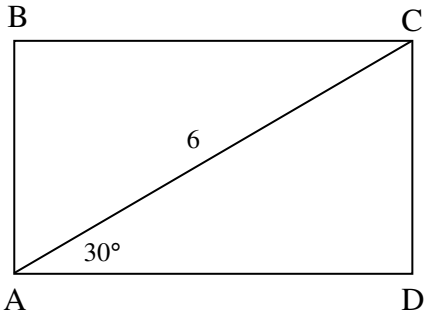
(4) Find the area of the parallelogram below.



(5) **Find:** area $\triangle ABC$ _____
AB_____ , CD_____



(6) Find the area of the rectangle below.



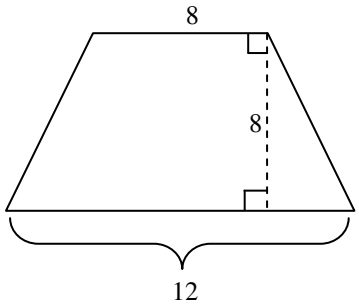
(7) Find the area of the isosceles triangle whose legs measure 8 and whose base is 12.

(8) Find the area and perimeter of an equilateral triangle whose height is $4\sqrt{3}$.

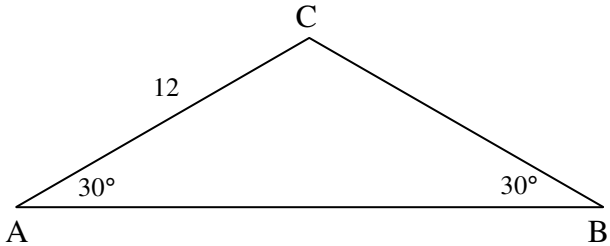
(9) Find the radius and area of a regular hexagon whose apothem is 4.

(10) Find the radius, apothem and area of a square whose perimeter is 24.

(11) Find the area of the trapezoid below.



(12) Find the area and perimeter of the triangle below.



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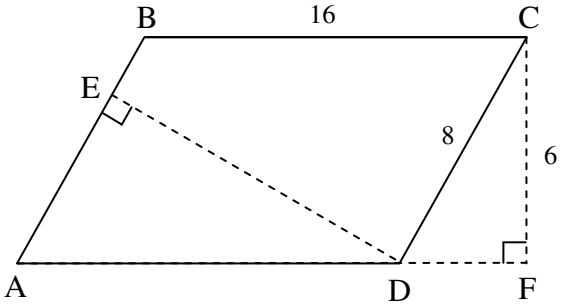
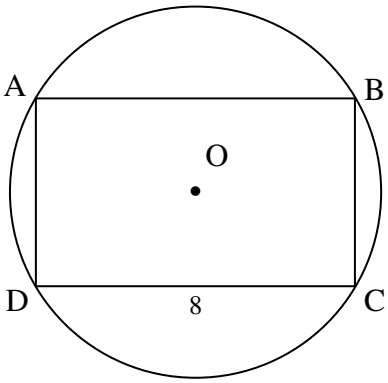
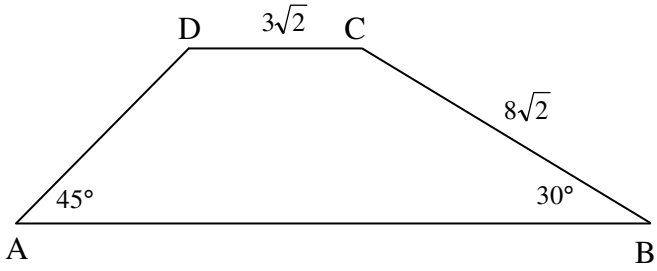
(13) **Find:** area parallelogram ▱ ABCD_____
DE_____ , DF_____



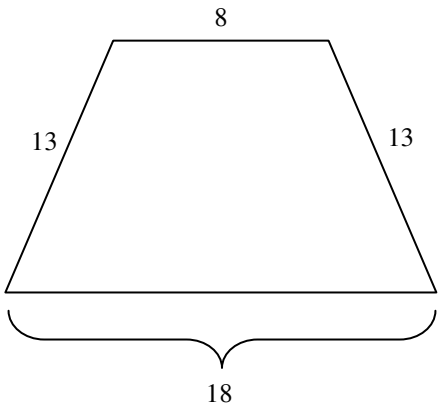
(14) Rectangle □ ABCD is inscribed in the circle with center O. The radius of the circle is 5. Find the area of the rectangle._____



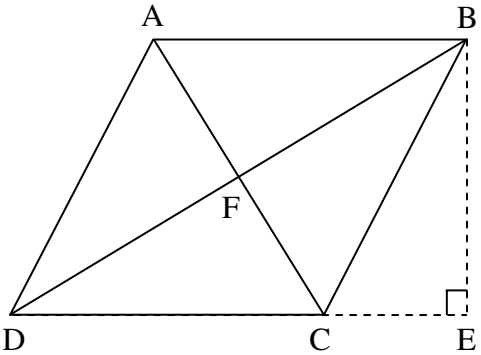
(15) Find the area and perimeter of the trapezoid below.



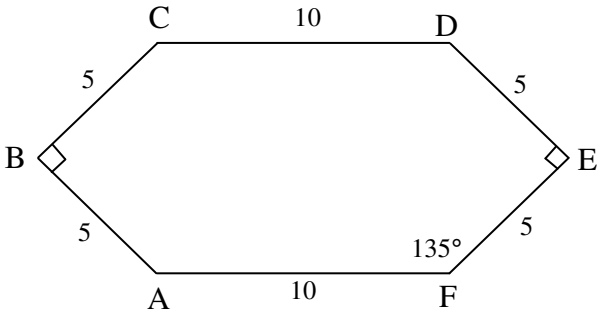
(16) Find the area of the trapezoid below.



(17) Find the area and perimeter of rhombus □ ABCD below if AC = 10 , BD = 24.
Find: BE_____



(18) Find the area of the hexagon below given sides and angles as marked.



Geometry Review 11.1 to 11.4 Worksheet

Answers

(1) area = 99

(2) area = 12 , perimeter = $8\sqrt{3}$

(3) area = 60

(4) area = 50

(5) a$_{\triangle}$ABC = 24 , AB = 10 , CD = $\frac{24}{5}$

(6) area = $9\sqrt{3}$

(7) area = $12\sqrt{7}$

(8) area = $16\sqrt{3}$, perimeter = 24

(9) radius = $\frac{8\sqrt{3}}{3}$, area = $32\sqrt{3}$

(10) radius = $3\sqrt{2}$, apothem = 3 , area = 36

(11) area = 80

(12) area = $36\sqrt{3}$, perimeter = $24 + 12\sqrt{3}$

Geometry Review 11.1 to 11.4 Worksheet
Answers

(13) $a_{\square}ABCD = 96$, $DE = 12$, $DF = 2\sqrt{7}$

(14) area = 48

(15) area = $40 + 16\sqrt{3}$, perimeter = $8 + 4\sqrt{6} + 18\sqrt{2}$

(16) area = 156

(17) area = 120 , perimeter = 52 , $BE = \frac{120}{13}$

(18) area = $25 + 50\sqrt{2}$