Name: _____

CC Geometry

B) 16

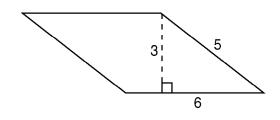
D) 8

			Perimeter a	and Ar	ea Practice			
1)	The area of a square is represented by $36x^2$. What expression represents the length of each side of the square?			6)	What is the perimeter of the rectangle pictured below?			
					15.7			
	A) $6x^2$	C) 6.						
	B) $9x^2$	D) 9.	x				3.4	
					A) 53.38	C)	76.4	
					B) 38.2	D)	106.76	
2)	If the perimeter of a square is 52 cm, then each side must measure							
	A) 10 cm	C) 1	9 cm					
	B) 13 cm	D) 1	2 cm	7)	-	hat is the perimeter of a parallelogram with a gth of 11 and a width of 5?		
					A) 64	C)	55	
					B) 16	D)	32	
3)	If one side of a regula $2x - 1$, the perimeter represented by A) $12x - 1$ B) $16x - 8$	of the octagon C) 1	•	8)	A piece of plywood must be cut in the shape of a trapezoid having the dimensions shown below.			
4)	A rectangular lot 80 feet by 150 feet is enclosed with a chain link fence. At \$4.25 per foot, how				5.5 in.	1		
	much does it cost to fence the lot?				<u> </u>			
	A) \$2,550 B) \$1,260	,	977.50					
	B) \$1,360	D) \$) \$1,995		How many square inches of plywood are nee make eight pieces of the exact same shape?			
					A) 420 in.^2	C)	330 in. ²	
					B) 41.25 in.^2	D)	660 in. ²	
5)	If the side of an equilateral triangle is 4, then what is the perimeter of the triangle?				_,	2)		
	A) 12	C) 4						
		- / -		1				

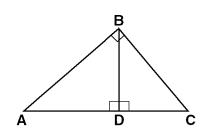
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9) If the perimeter of a regular pentagon is 60 feet, find 12) a side of the pentagon.

What is the area of the parallelogram pictured below?



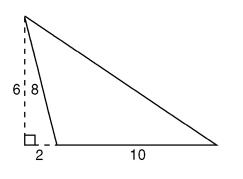
13) In the accompanying diagram, the area of $\triangle ABD$ is 15 and the area of $\triangle CBD$ is 12. If segment AC = 10, what is the length of segment BD to the nearest tenth?



10) A rectangular roof measures 30 feet by 12 feet. Shingles for the roof cost \$24.50 per 100 square feet. Find the cost to purchase shingles for the roof.

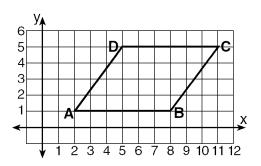
11) What is the area of a square in which each side is 17 feet long?

14) What is the area of the triangle pictured below?



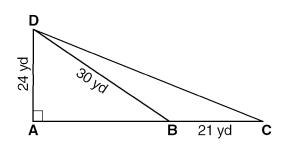
15) The bases of a trapezoid have lengths 10 and 18. If the height of the trapezoid is 6, what is the area of the trapezoid? 16) If tiles cost \$1.50 a square foot, what is the total cost of tiling an entire room that measures 30 feet by 23 feet?

17) In the accompanying diagram, parallelogram ABCD has vertices A(2,1), B(8,1), C(11,5), and D(5,5). What is the area of parallelogram ABCD?



18) What is the area of a triangle whose side measures6.2 meters and whose height to that base measures4.7 meters?

 Mr. Tomas is painting the floor of his 20-yard by 18-yard basement. How many containers of paint will he need if one container covers 50 yards²? 20) In the triangular garden BCD, DB = 30 yards and BC = 21 yards. In the adjoining right triangular plot ABD, AD = 24 yards. If plot ABD is added to garden BCD, what will be the total number of square yards in the area of the resulting garden ACD?



- 1) C 2) B 3) B 4) D 5) A
- 6) B 7) D 8) C
- 9) 12 ft
- 10) \$88.20
- 11) 289 ft²
- 12) 18
- 13) 5.4
- 14) 30
- 15) 84
- 16) \$1,035.00
- 17) 24
- 18) 14.57 m²
- 19) 8
- 20) 468 yd^2