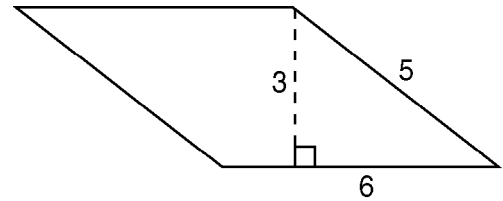


- 9) If the perimeter of a regular pentagon is 60 feet, find a side of the pentagon.

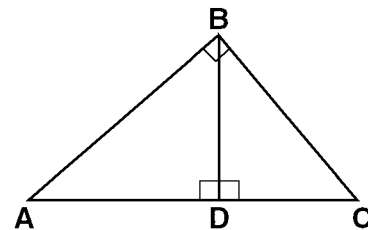
- 10) A rectangular roof measures 30 feet by 12 feet. Shingles for the roof cost \$24.50 per 100 square feet. Find the cost to purchase shingles for the roof.

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

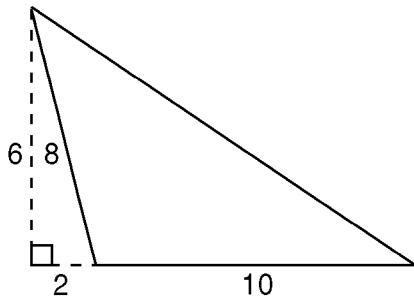
- 12) What is the area of the parallelogram pictured below?



- 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?



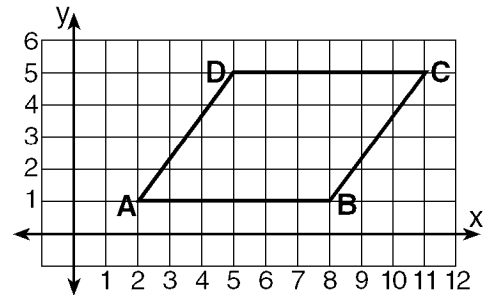
- 14) What is the area of the triangle pictured below?



- 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?

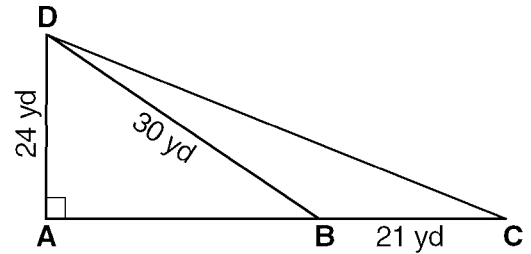
- 16) If tiles cost \$1.50 a square foot, what is the total cost of tiling an entire room that measures 30 feet by 23 feet?

- 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 measures 6.2 meters and whose height to that base measures 4.7 meters?

- 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 ?



- 19) 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?

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 yd²