

Section 4 Prep

Find the area of a trapezoid with bases of 14 and 22, and a height of 9

- A. 162 B. 324 C. 1,386 D. Not possible

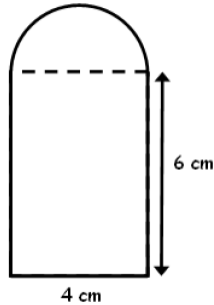
Find the area of a 45-45-90 triangle with legs of 8

- A. 64 B. 32 C. 16 D. $16\sqrt{3}$

Find the area of a circle with a diameter of 7. Use 3.14 for pi

- A. 21.98 B. 10.99 C. 43.96 D. 38.47

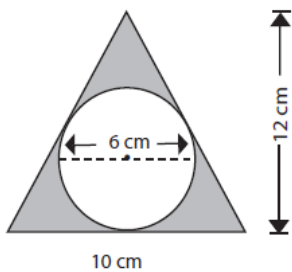
8.) Find area of this figure. Use 3.14 for pi



- A. 28.56
 B. 30.28
 C. 56.38
 D. 68.36

Multiple Choice A triangle has an area of 72 square feet and a height of 9 feet. Find its base.

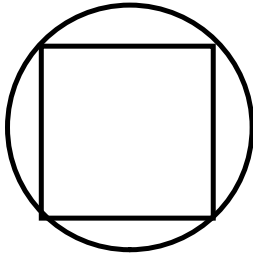
- A. 16 ft B. 8 ft C. 32 ft
 D. 9 ft E. 34 ft



Find the area of the shaded region

- A. 31.74 B. 57.87
 C. 99 D. 44.31

Find the area of the square inscribed in a circle. The circle has a diameter of 16.



- A. 64 B. 256 **C. 128** D. 84.33

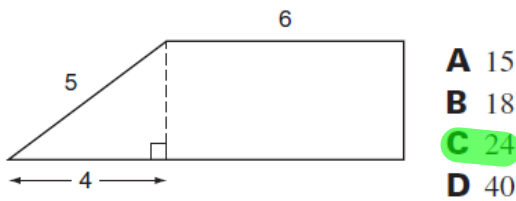
Find the area of a 30-60-90 Triangle with a hypotenuse of 20.

- A. $144\sqrt{3}$ B. $72\sqrt{3}$ C. 72 D. 144 **E. $50\sqrt{3}$**

A rectangle has a width to length ratio of 3:4. What are side lengths if the area is 588

- A. 9 & 15 B. 12 & 49 **C. 21 & 28** D. 14 & 42

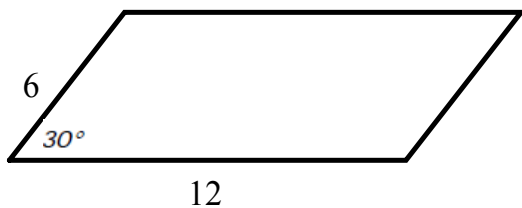
What is the area, in square units, of the trapezoid below?



A trapezoid has a height of 6in and one base is 3in. Find the second base if the area is 54in^2 .

- A. 12in **B. 15in**
C. 18in D. 21in
E. 24in

Find the Area.

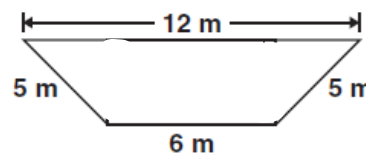


- A. 24 B. 30
C. 36 D. 42

Area of an isosceles triangle with sides of 17, 17 and 30.

- A. 168 **B. 120**
C. 240 D. $314\sqrt{3}$

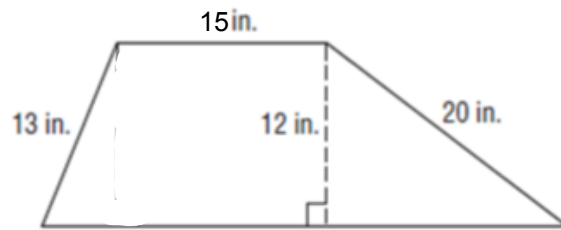
What is the area, in square meters (m), of the trapezoid shown below?



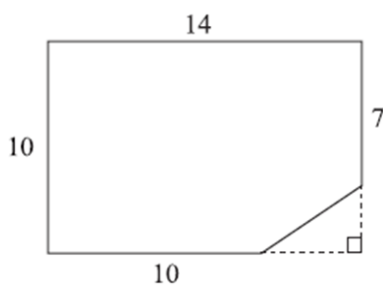
- A** 28
B 36
C 48
D 72

What is the area of the trapezoid

- A 168 in^2
- B 490 in^2
- C 294 in^2
- D 306 in^2**



The polygon below was once a rectangle with sides 10 and 14 before a triangle was cut off.



Find the area of the new shape after you cut the triangle out.

- A. 100
- B. 134**
- B. 140
- D. 70

What is the area of an equilateral triangle with side of 18?

- A. $162\sqrt{2}$
- B. $81\sqrt{3}$**
- C. 81
- D. 162