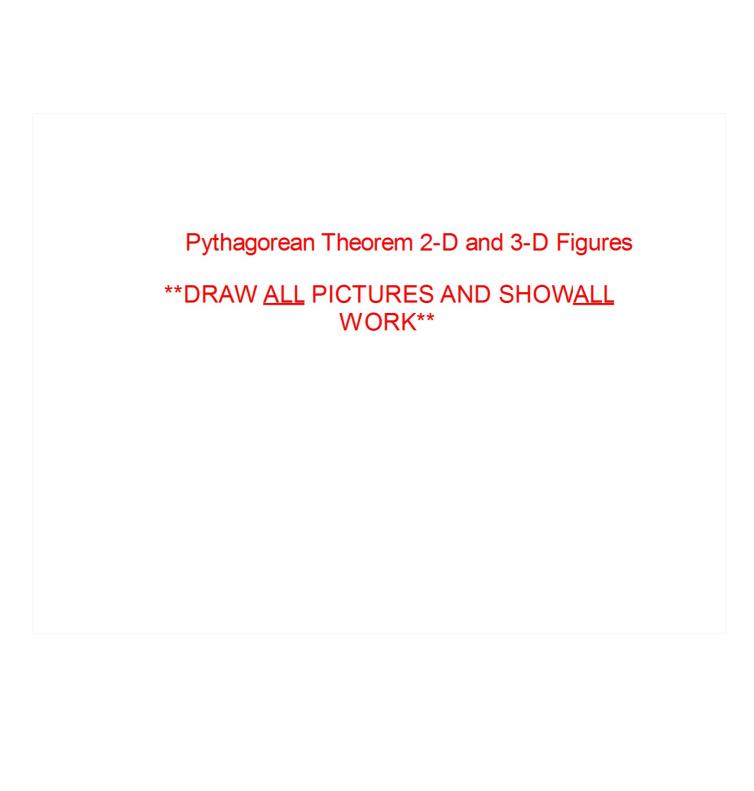
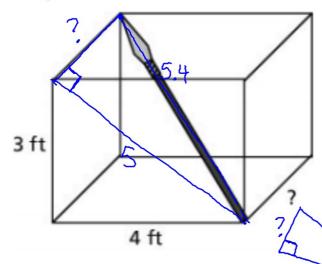
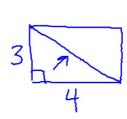
## Daily Homework Check 3-2 1) PT WP # 6 2) PT WP # 10



A spear of 5.4 ft is inserted in a wooden box as shown. 1.



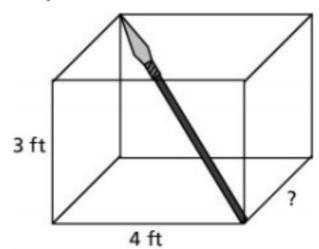


 $a^{2}+b^{2}=c^{2}$   $3^{2}+4^{2}=c^{2}$   $9+16=c^{2}$   $25=c^{2}$   $\sqrt{25}=\sqrt{2}$ 5=0

What is the approximate width of the base?  $a^2 + b^2 = c^2$   $a^2 + b^2 = c^2$   $a^2 + 5^2 = 5.4^2$   $a^2 + 25 = 29.16$   $a^2 = 4.16$ 

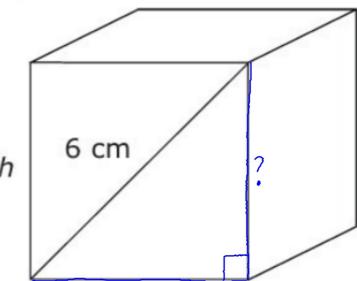
$$a^{2} = 4.16$$
 $\sqrt{a^{2}} = \sqrt{4.16}$ 
 $a = 2.03$ 
 $a \approx 2$ 

1. A spear of 5.4 ft is inserted in a wooden box as shown.



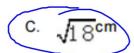
What is the approximate width of the base?

- A 7 ft
- B. 5 ft
- c. 3 ft
- D. 2 ft



What is the height, h, of the cube?

- A √6cm
- B. 3 cm

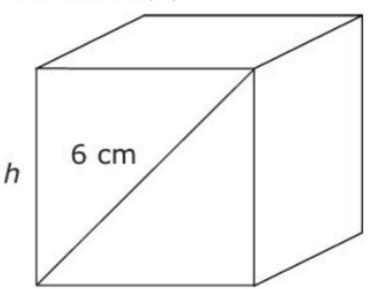


D. 6 cm

 $a^{2} + b^{2} = c^{2}$   $a^{2} + a^{2} = 6^{2}$   $a^{2} = 36$   $a^{2} = 18$   $a^{2} = 18$   $a^{2} = 18$ 

2.

The diagonal of the face of a cube is 6 centimeters (cm).

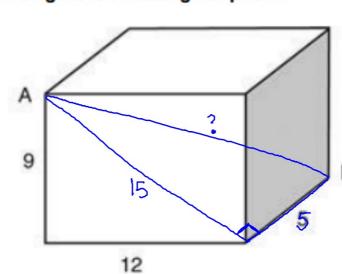


What is the height, h, of the cube?

- A √6cm
- B. 3 cm
- C. √18cm
- D. 6 cm

3.

## The figure is a rectangular prism.

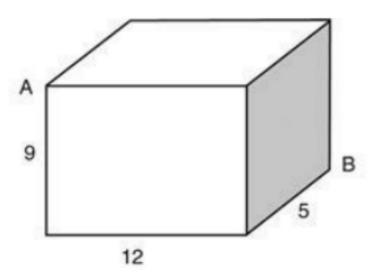


Note: The figure is not drawn to scale.  $25+225=C^2$ What is the length of the diagonal from Point A to Point B?  $250=C^2$ A 13
B. 15

- 5 10
- $12\sqrt{10}$ D.

3.

The figure is a rectangular prism.



Note: The figure is not drawn to scale.

What is the length of the diagonal from Point A to Point B?

- A 13
- B. 15
- C. 5√10
- D. 12√10

- Linda bought a rectangular-shaped table.
  - . The top of the table has a width of 56 inches.
  - . The diagonal of the top of the table was 64 inches.

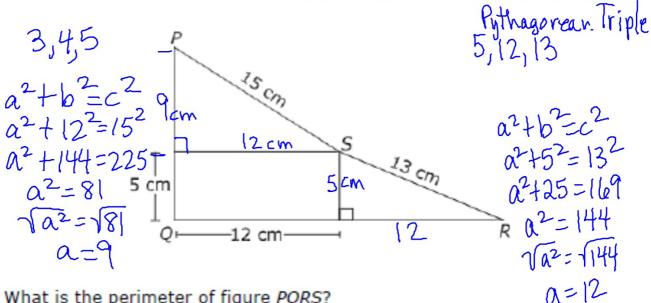
What is the approximate area of the top of the table?

- B. 1,984 square inches
- C. 3,584 square inches
- D. 4,762 square inches

56 64

?
$$a^2 + b^2 = c^2$$
 $a^2 + 56^2 = 64^2$ 
 $a^2 + 3136 = 4096$ 
 $a^2 = 960$ 
 $a^2 = 1960$ 
 $a = 30.98$ 
 $a \approx 31$ 

5. Figure PQRS below is made up of a rectangle and two right triangles.



What is the perimeter of figure PQRS?