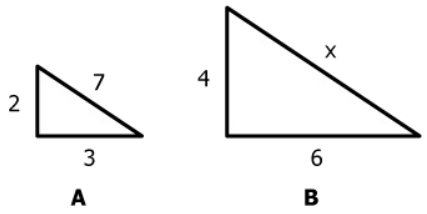
Math Geometry and Measurement 8_9

Student Name:_____ Date:_____

1.



Triangles A and B are similar.

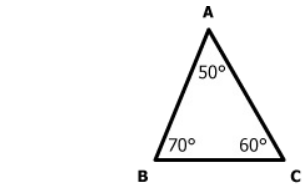
x = ___

A. 14

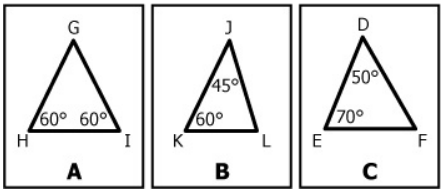
B. 7

C. 2

2.



Which is similar to this triangle?

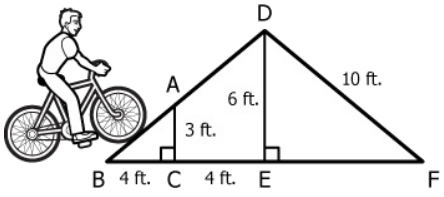


A. A

B. B

C. C

3.



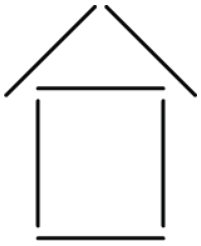
EF = ___ ft.

A. 4

B. 64

C. 8

4.



How many pairs of parallel lines?

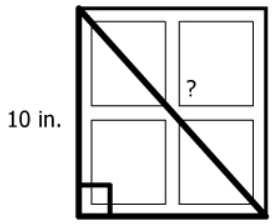
A. 6

B. 2

C. 4

5.

$a^2 + b^2 = c^2$



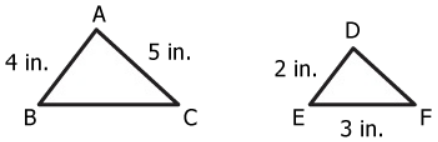
? = ___ in.

A. $\sqrt{19}$

B. $\sqrt{190}$

C. $\sqrt{181}$

6.



Triangle ABC is similar to Triangle DEF

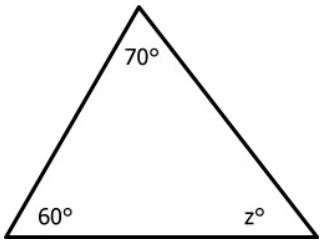
BC = ___ in.

A. 8

B. 6

C. 3

7.



m∠z = ___

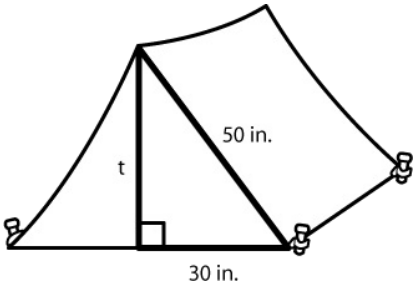
A. 130°

B. 50°

C. 180°

8.

$a^2 + b^2 = c^2$



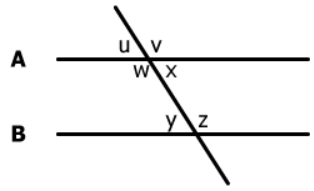
t = ___ in.

A. 4

B. 40

C. 80

9.



Lines A and B are parallel.

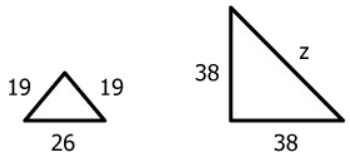
m∠z = m∠___

A. v

B. u

C. y

10.



These triangles are similar.

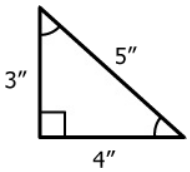
z = ___

A. 52

B. 64

C. 36

11.



$A^2 + B^2 = C^2$

C^2 = ___

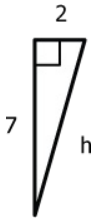
A. 5

B. 50

C. 25

12.

$a^2 + b^2 = c^2$



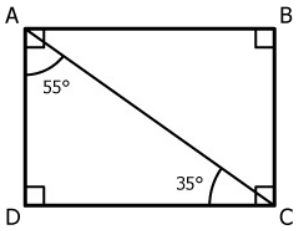
h = ___

A. 9^2

B. $\sqrt{53}$

C. $\sqrt{9}$

13.



ABCD forms a rectangle.
All rectangles have 90° corners.

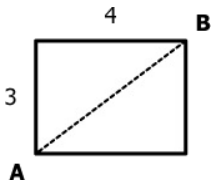
m∠BAC = ___

A. 35°

B. 25°

C. 55°

14.



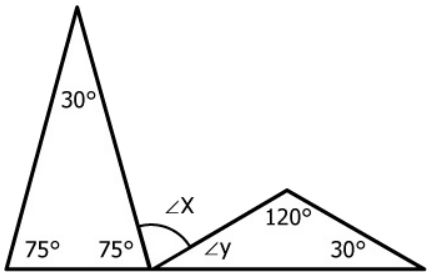
AB = ___

A. 7

B. 5

C. 4

15.



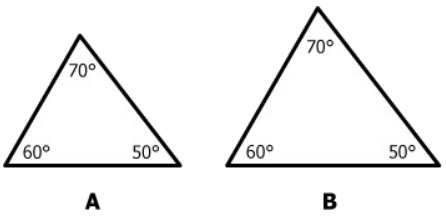
m∠y = ___

A. 45°

B. 30°

C. 90°

16.



Triangles A and B are ___.

A. congruent

B. neither

C. similar