

Name:

ANSWERS!

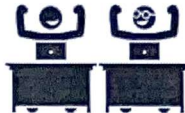
Class:



Communication



Successful Partnership



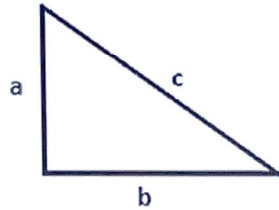
Encouragement



Solving Problem Together



Collaboration

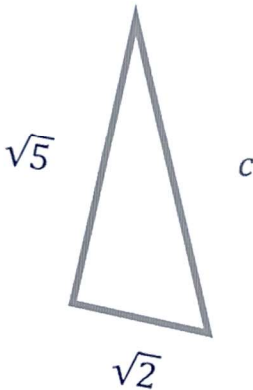


$$a^2 + b^2 = c^2$$

All triangles below are right triangles with c as the hypotenuse.

Select the correct value for c .

Question 01



$$(\sqrt{5})^2 + (\sqrt{2})^2 = c^2$$
$$5 + 2 = c^2$$

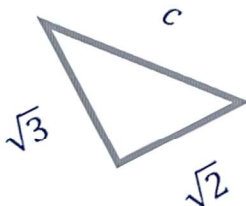
$$7 = c^2$$
$$\sqrt{7} = c$$

(a) $\sqrt{7}$

(b) $\sqrt{10}$

(c) $\sqrt{29}$

Question 02



$$(\sqrt{3})^2 + (\sqrt{2})^2 = c^2$$
$$3 + 2 = c^2$$

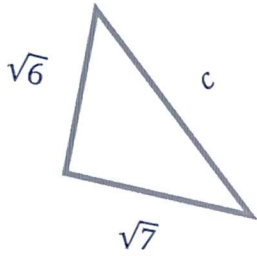
$$5 = c^2$$
$$\sqrt{5} = c$$

(a) $\sqrt{5}$

(b) $\sqrt{6}$

(c) $\sqrt{13}$

Question 03



$$(\sqrt{6})^2 + (\sqrt{7})^2 = c^2$$

$$6 + 7 = c^2$$

$$13 = c^2$$

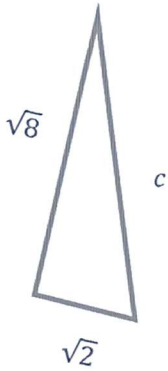
$$\sqrt{13} = c$$

(a) $\sqrt{6.5}$

(b) $\sqrt{13}$

(c) $\sqrt{42}$

Question 04



$$(\sqrt{8})^2 + (\sqrt{2})^2 = c^2$$

$$8 + 2 = c^2$$

$$10 = c^2$$

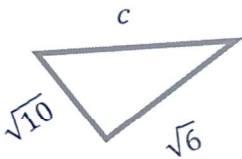
$$\sqrt{10} = c$$

(a) $\sqrt{4}$

(b) $\sqrt{6}$

(c) $\sqrt{10}$

Question 05



$$(\sqrt{10})^2 + (\sqrt{6})^2 = c^2$$

$$10 + 6 = c^2$$

$$16 = c^2$$

$$\sqrt{16} = c$$

$$4 = c$$

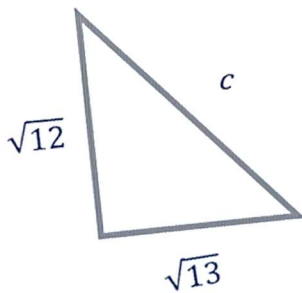
(a) 4

(b) 16

(c) 60

perfect square!

Question 06



$$(\sqrt{12})^2 + (\sqrt{13})^2 = c^2$$

$$12 + 13 = c^2$$

$$25 = c^2$$

$$\sqrt{25} = c$$

$$5 = c$$

(a) 5

(b) 25

(c) 156

perfect square!