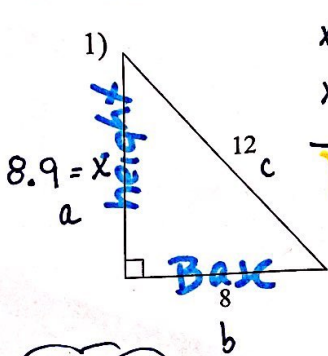


$$A = \frac{1}{2} \cdot b \cdot h \quad P = \text{add all sides}$$

10.29.19

CLASSWORK

Find the area and perimeter of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.



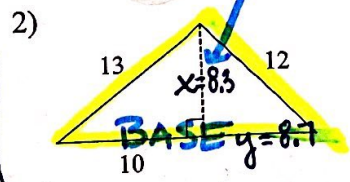
$$x^2 + 8^2 = 12^2$$

$$x^2 + 64 = 144$$

$$\begin{array}{r} x^2 + 64 = 144 \\ -64 \quad -64 \\ \hline x^2 = 80 \end{array}$$

$$x \approx 8.9$$

$P = 8.9 + 12 + 8 = 28.9 \text{ units}$
 $A = \frac{1}{2} \cdot 8 \cdot 8.9 = 35.6 \text{ units}^2$



$$x^2 + 10^2 = 13^2$$

$$x^2 + 100 = 169$$

$$\begin{array}{r} x^2 + 100 = 169 \\ -100 \quad -100 \\ \hline x^2 = 69 \end{array}$$

$$x \approx 8.3$$

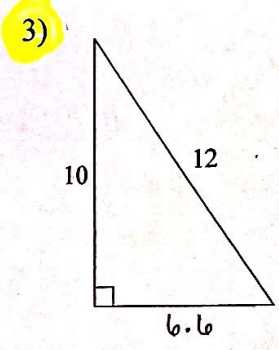
$$8.3^2 + y^2 = 12^2$$

$$68.89 + y^2 = 144$$

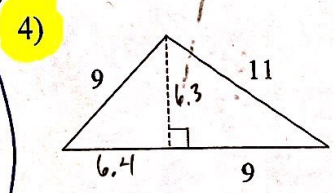
$$\begin{array}{r} 68.89 + y^2 = 144 \\ -68.89 \quad -68.89 \\ \hline y^2 = 75.11 \end{array}$$

$$y \approx 8.7$$

$P = 13 + 12 + 10 + 8.7 = 43.7 \text{ units}$
 $A = \frac{1}{2} \cdot 18.7 \cdot 8.3 = 77.6 \text{ units}^2$

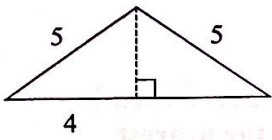


$P = 28.6 \text{ units}$ $A = 33 \text{ units}^2$

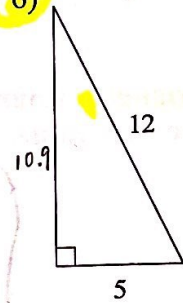


$P = 35.4 \text{ units}$ $A = 48.5 \text{ units}^2$

5)



6)



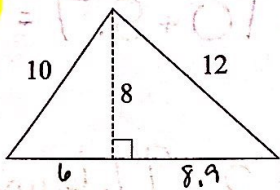
$$5^2 + 10.9^2 = 12^2$$

$$25 + 118.81 = 144$$

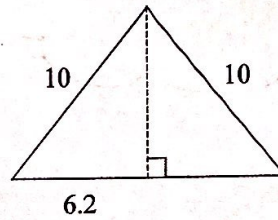
$$143.81 = 144$$

$$-0.19 = 0$$

7)

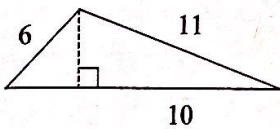


8)



$P = 36.9 \text{ units}$ $A = 59.6 \text{ units}^2$

9)



10)

