

$$144 + 25 + 4 \cdot \left(\frac{60}{2}\right)$$

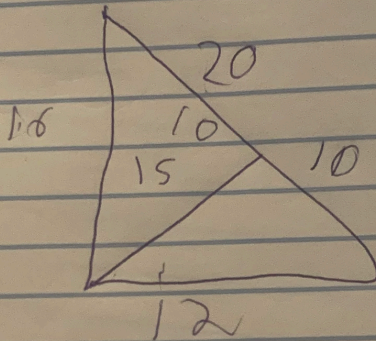
$$196$$

$$\sqrt{196} = 13$$

$$c^2 + 4\left(\frac{ab}{2}\right)$$

$$196 + 4(12 \cdot 5) =$$

② 12, 16, 20



$$\frac{20^2 + 16}{15^2 + 10^2}$$

③ $a = 120$
 $120 = 2mn$
 $60 = mn$

④ $a = 2mn$
 $m^2 - n^2$
 $m^2 + n^2$

$$(2mn)^2 + (m^2 - n^2)^2 = (m^2 + n^2)^2$$

$$m^4 + 4m^2n^2 + n^4 = m^4 + 2m^2n^2 + n^4 + 2m^2n^2$$

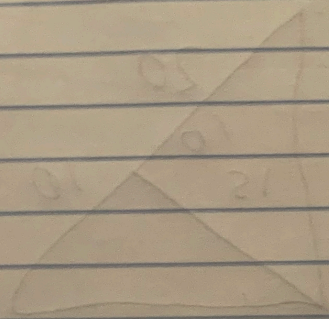
Gauss

① ~~Legendre~~

② Fermat

③ Andrew Wiles

④ Fermat



$$\begin{aligned}
 a &= 10 \\
 b &= 20 \\
 c &= 25
 \end{aligned}$$

$$\begin{aligned}
 a &= 12 \\
 b &= 21 \\
 c &= 25
 \end{aligned}$$