

$$\frac{BT}{\sin(180 - \alpha - HTA)} = \frac{x}{\sin HTA}$$

$$\frac{x}{\sin STA} = \frac{TT}{\sin(180 - \alpha - STA)}$$

$$\frac{TT}{\sin \alpha} = \frac{VA'}{\sin HTA}$$

$$VA' = \frac{TT \cdot \sin HTA}{\sin \alpha}$$

$$\sin STA = \frac{VA''}{VA'}$$

$$VA'' = \sin STA \cdot VA'$$

$$= \frac{TT \cdot \sin HTA \cdot \sin STA}{\sin \alpha}$$

$$VA'' = AB \cdot \frac{\sin HTA \cdot \sin STA}{\sin \alpha}$$

A''A'''

WS=340

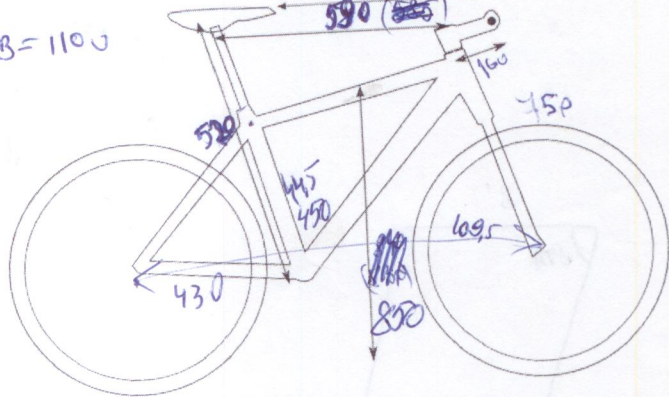
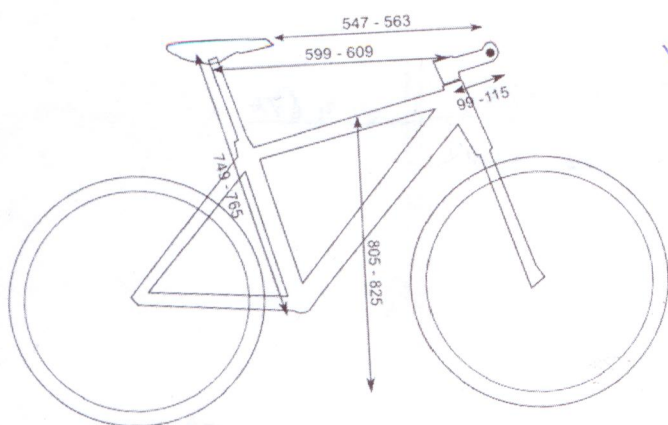
TT=575

Ghost

BBH=320

WB=1100

Fit



26

32

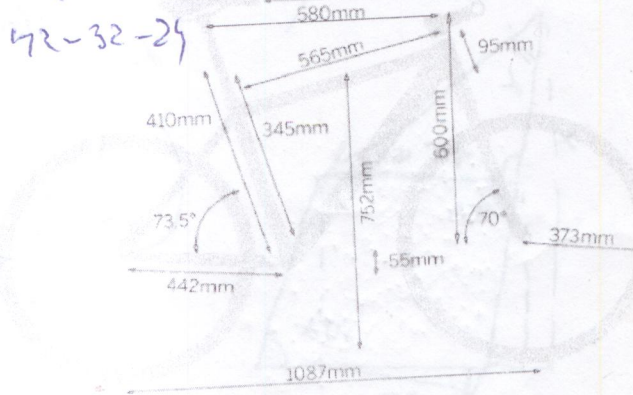
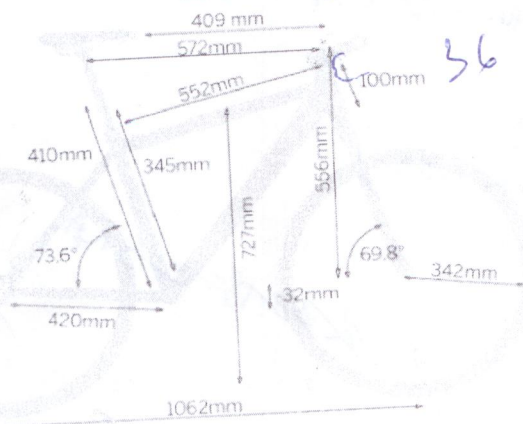
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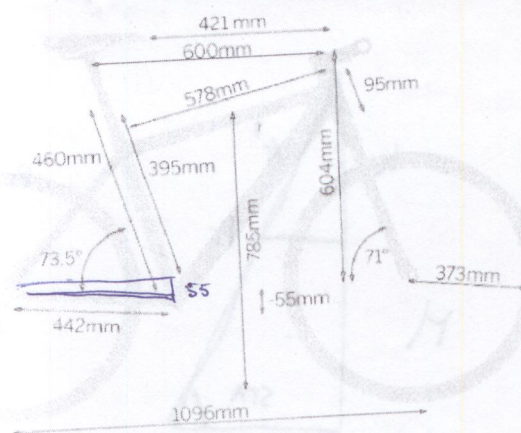
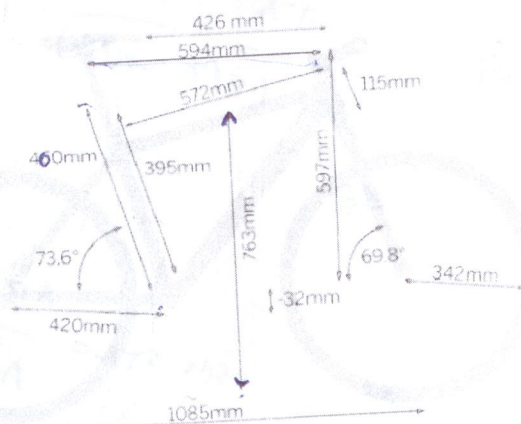
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29

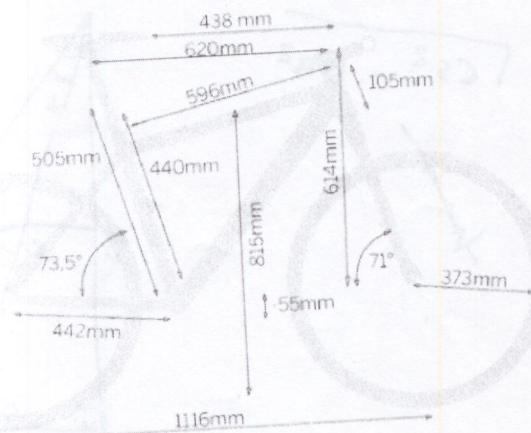
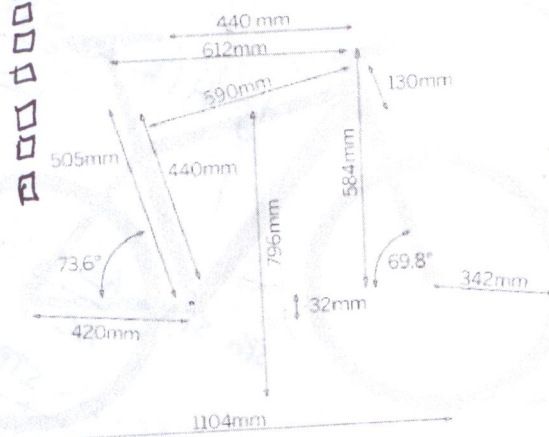
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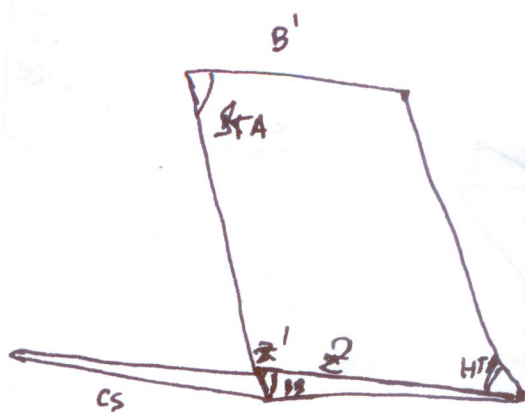


18"



20"





Ans.

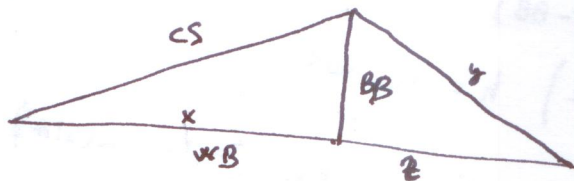
$$\tan STA = \frac{BB'}{x}$$

$$z' = \boxed{BB' \cdot \tan HTA}$$

$$x = BB'$$

$$CS^2 = BB'^2 + (WB - x)^2$$

$$\sqrt{CS^2 - BB'^2} = WB - x$$



$$CS^2 = (WB - z)^2 + BB'^2$$

$$z = \sqrt{CS^2 - BB'^2} = \sqrt{D^2 - B^2}$$

$$\boxed{z = WB - \sqrt{CS^2 - BB'^2}}$$

$$\begin{cases} CS^2 = x^2 + BB'^2 \\ y^2 = BB'^2 + (WB - x)^2 \end{cases}$$

$$x = \sqrt{CS^2 - BB'^2}$$

$$y^2 = BB'^2 + (WB - \sqrt{CS^2 - BB'^2})^2$$

$$\sqrt{CS^2 - BB'^2} = (WB - x)$$

$$y = \sqrt{BB'^2 + (WB - \sqrt{CS^2 - BB'^2})^2}$$

$$\sqrt{a^2} = a$$