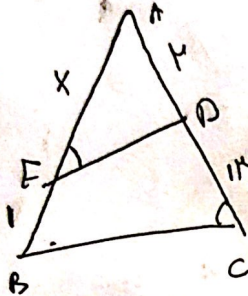


$$\frac{EF}{AF} = ? \quad \left(\frac{\sqrt{2}}{2} \right)$$

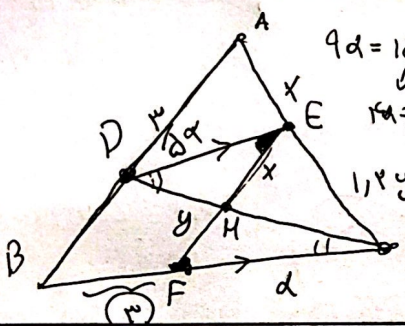


$$\frac{y}{x+1} = \frac{x}{2} \rightarrow y = x + x$$

$$x + x - y = 0$$

$$(x+y)(x-2) = 0$$

$$x = 2$$



$$9d = 1d + 2d$$

$$BF = y$$

$$y = 2x$$

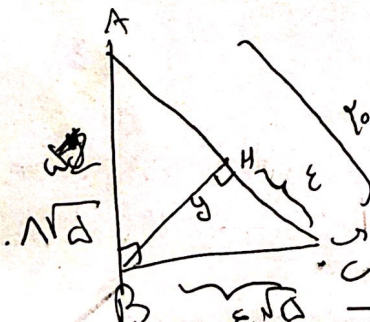
$$x = 3, y = 6$$

$$\frac{x}{y} = \frac{DE}{FC}$$

$$\frac{DE}{FC} = \frac{y}{2} = \frac{6}{2} = 3$$

$$\frac{DE}{FC} = \frac{y}{2}$$

$$\frac{y}{2} = \frac{6}{2} = 3$$



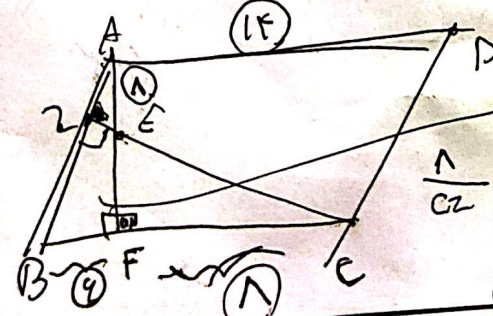
$$\frac{AB}{BM} = \frac{BC}{F} = \frac{AC}{BC}$$

$$BC^2 = BF \cdot AC$$

$$BF \cdot AC = BC^2$$

$$BF \cdot 2y = BC^2$$

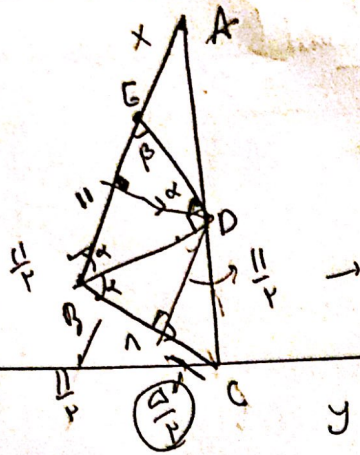
$$BF \cdot 2y = BC^2$$



$$\frac{1}{2} = \frac{CE}{1} = \frac{EF}{1}$$

$$1 + 1 = 2$$

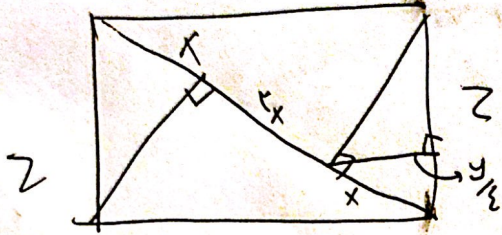
$$\frac{ZE}{EF} = \frac{AG}{EC} = \frac{AZ}{FC}$$



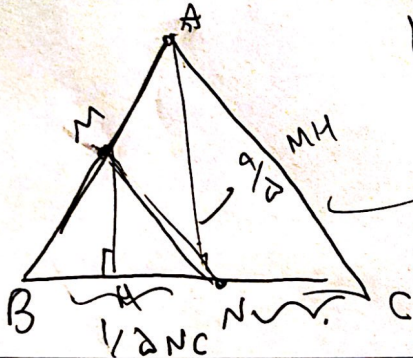
$$AC = 4/9$$

$$\frac{\frac{11}{x}}{x+11} = \frac{\frac{11}{x}}{1}$$

$$\Delta x = \Delta x + \Delta x$$



$$\frac{y \times z}{\frac{1}{x} y \times z} \rightarrow \Delta$$



$$BN = NC$$

$$S_{ABC} = S_{BMN}$$

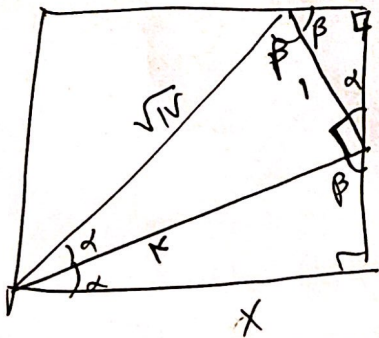
$$\frac{BM}{BM+MA} = \frac{1}{4} \rightarrow BM = \frac{1}{4} BM + \frac{3}{4} MA$$

$$\frac{1}{4} \Delta NC \cdot AH = \frac{1}{4} \Delta NC \cdot MH$$

$$\frac{1}{4} \cdot AH = \frac{1}{4} \cdot MH$$

$$\frac{BM}{AM} = \frac{1}{3}$$

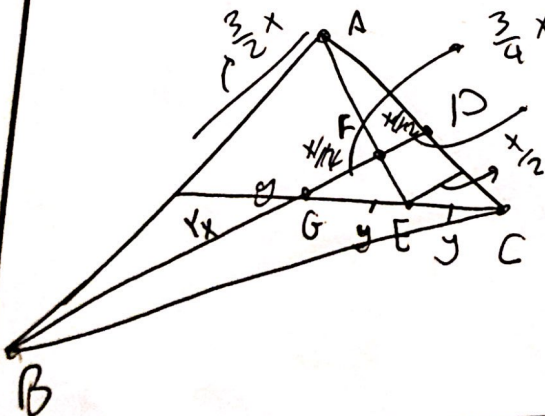
$$BM = \frac{1}{4} MA$$



$$\frac{x}{x} = \frac{\sqrt{14}}{x}$$

$$x = \frac{14}{\sqrt{14}}$$

$$\frac{14 \times 14}{14} = 15.05$$



$$\frac{BD}{PD} \rightarrow \frac{1}{4} x$$