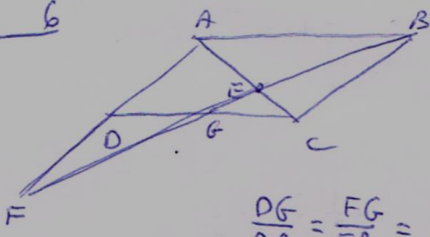


1.07
6



$$\frac{DG}{AB} = \frac{FG}{FB} = \frac{1}{2}$$

$$BF = 6x \leftarrow BG = 3x \leftarrow BE = 2x \leftarrow GF = x \quad | \text{NOJ}$$

$$\frac{1}{2x} = \frac{1}{3x} + \frac{1}{6x} \iff \frac{1}{BE} = \frac{1}{BG} + \frac{1}{BF}$$

~~1.07~~

(S.S) $\triangle ABE \sim \triangle CGE$ ✓

$$\frac{AE}{EC} = 2 = \frac{AB}{GC} \rightarrow 2GC = AB = DC$$

$\triangle FDG \sim \triangle FAB$ ✓