

B -)

- 1) $DE = 2 \times BC = 2 \times 3 = 6 \text{ cm.}$
- 2)
 - a) (IJ) est parallèle à (BC).
 - b) $IJ = \frac{1}{2}BC = \frac{3}{2} = 1,5 \text{ cm}$
 $DJ = DB + BJ = 4 + 2 = 6 \text{ cm.}$
 $DA = 2 \times AB = 2 \times 4 = 8 \text{ cm.}$
- 3) $AF = \frac{8 \times 1,5}{6} = 2 \text{ cm}$
- 4) $\frac{GA}{GD} = \frac{2}{6} = \frac{1}{3}$
- 5) $GA = \frac{1}{2}DA = \frac{8}{2} = 4 \text{ cm.}$

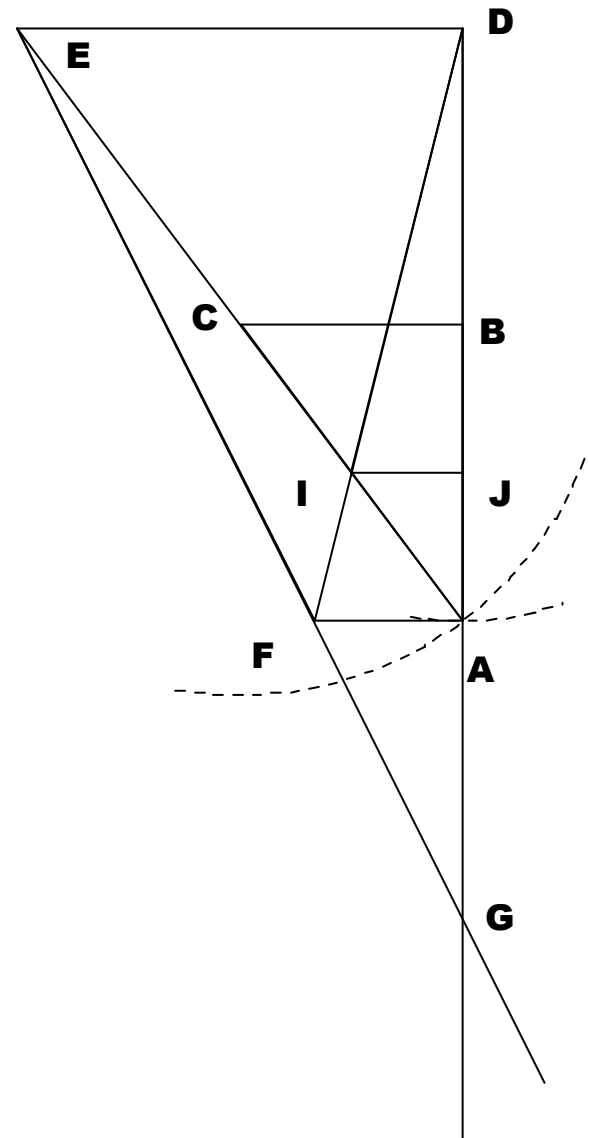


Figure Sujet B