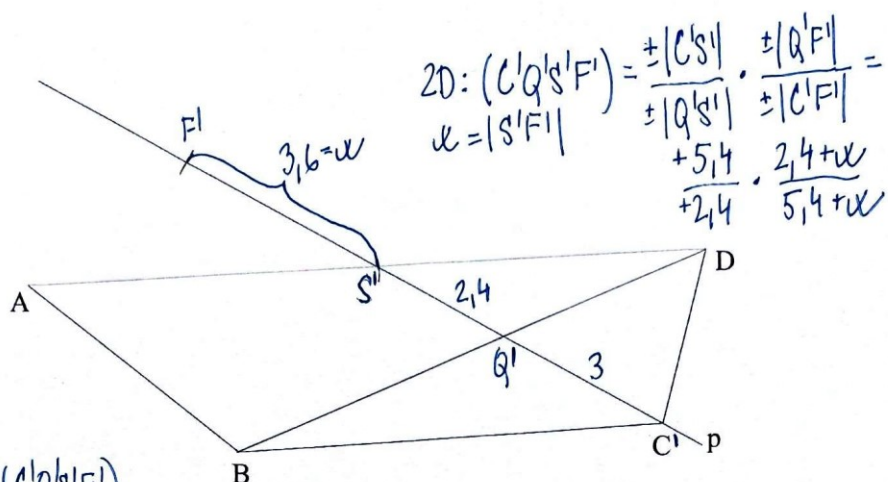


1)



$$2D: (C'Q'S'F') = \frac{\pm |C'S'|}{\pm |Q'S'|} \cdot \frac{\pm |Q'F'|}{\pm |C'F'|} = \frac{+5,4}{+2,4} \cdot \frac{2,4+x}{5,4+x}$$

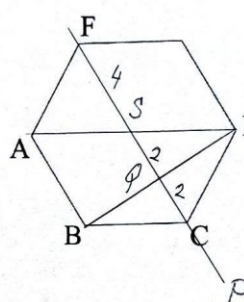
$$x = |S'F'|$$

$$(CQSF) = (C'Q'S'F')$$

$$\frac{3}{2} = \frac{5,4(2,4+x)}{2,4(5,4+x)}$$

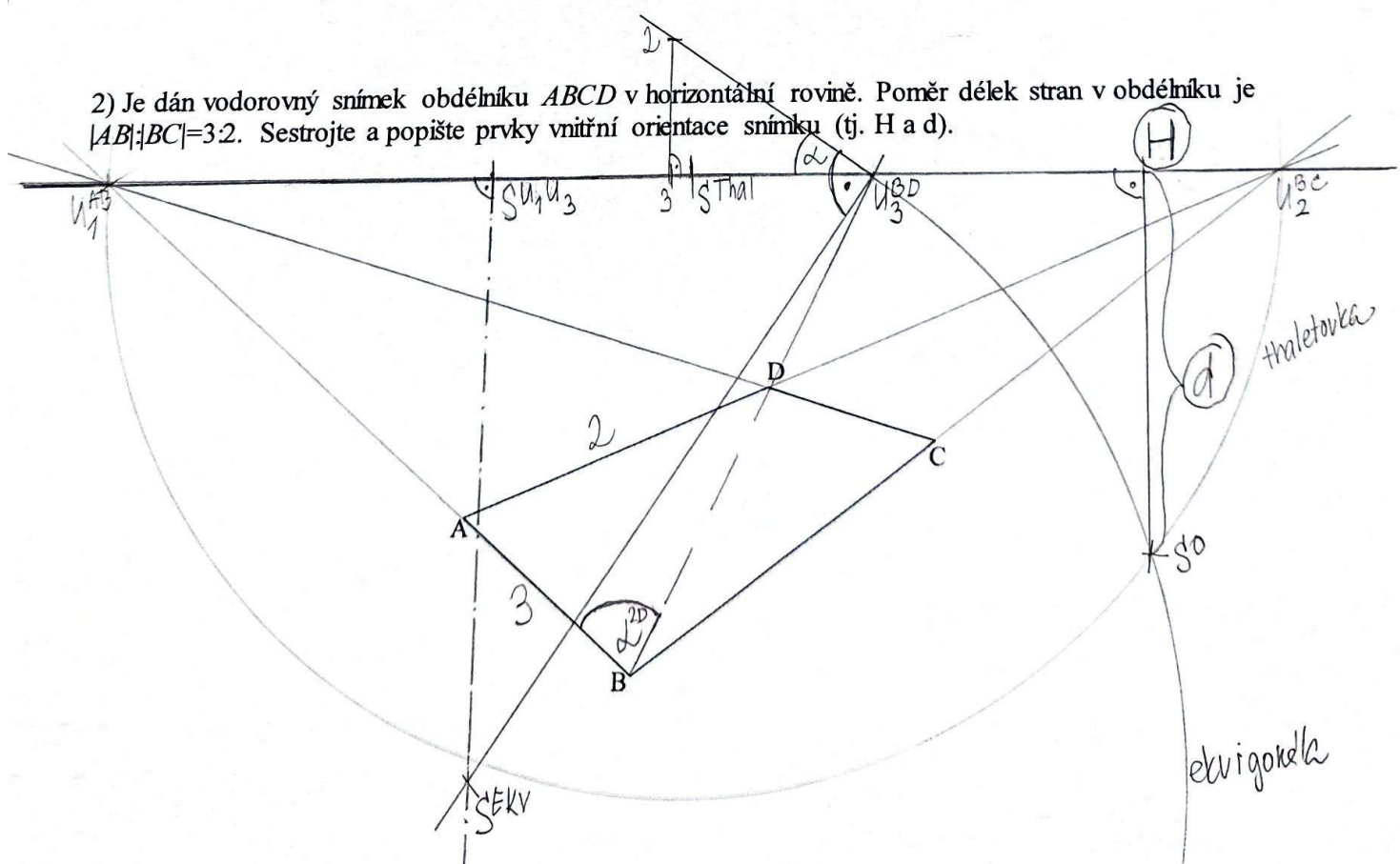
$$3 \cdot 2,4 \cdot (5,4+x) = 2 \cdot 5,4 \cdot (2,4+x)$$

$$x = 3,6$$



$$3D: (CQSF) = \frac{\pm |CS|}{\pm |QS|} \cdot \frac{\pm |QF|}{\pm |CF|} = \frac{+4}{+2} \cdot \frac{+6}{+8} = \frac{3}{2}$$

2) Je dán vodorovný snímek obdélníku ABCD v horizontální rovině. Poměr délek stran v obdélníku je $|AB|:|BC|=3:2$. Sestrojte a popište prvky vnitřní orientace snímku (tj. H a d).



3)

