

26. 3. 2020

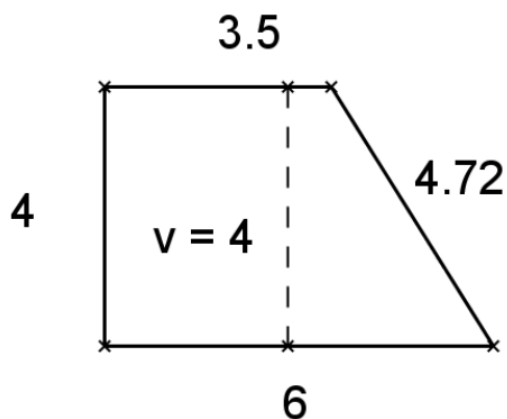
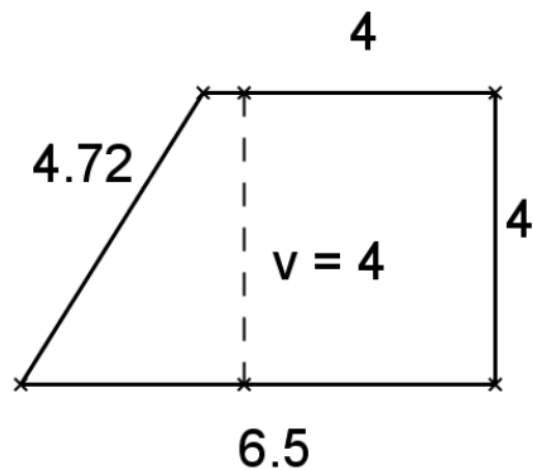
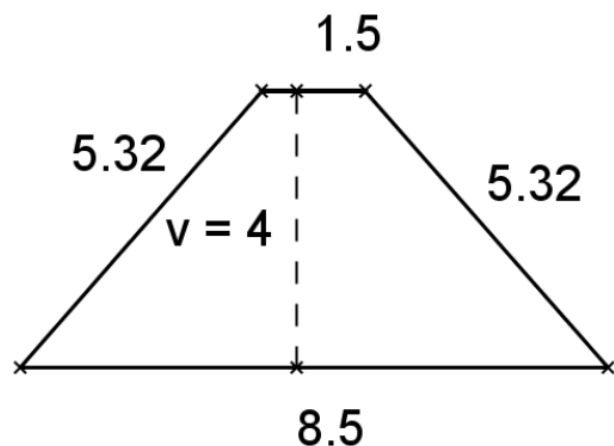
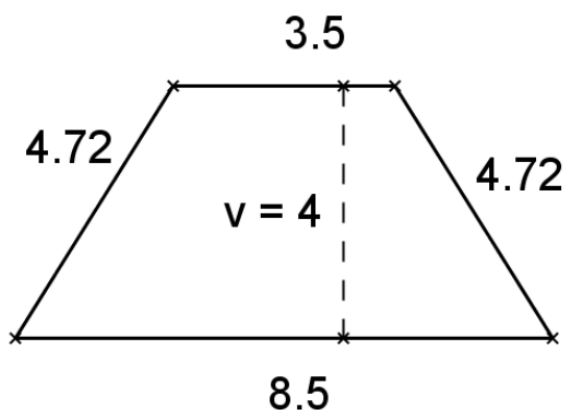
Př. 1: Vypočítej obvody a obsahy následujících lichoběžníků (rozměry v cm):

$$o = a + b + c + d$$

$$S = \frac{(a + c)}{2} \cdot v$$

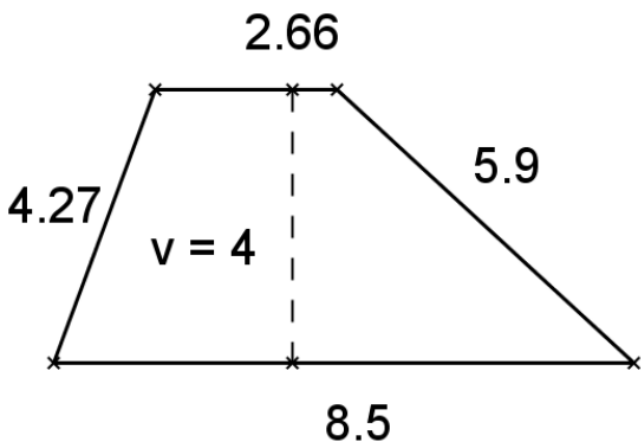
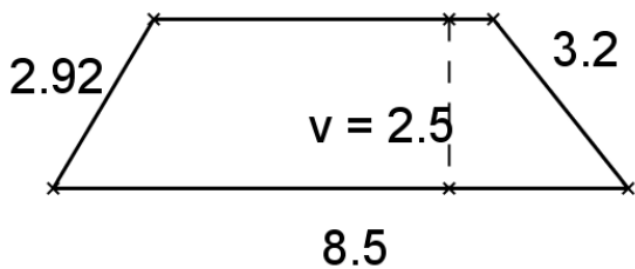
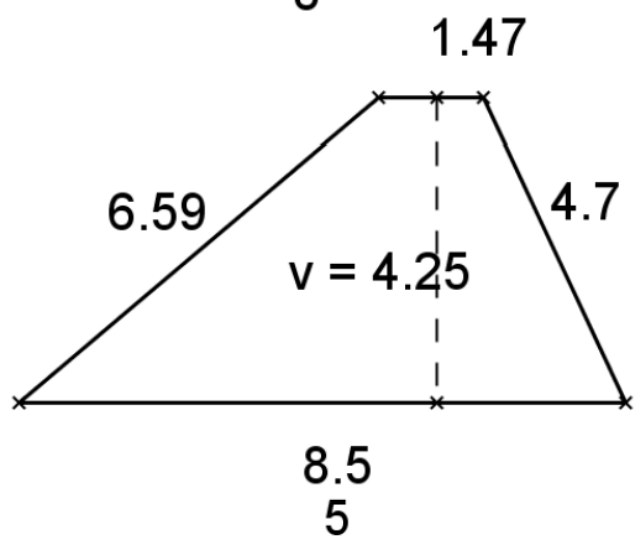
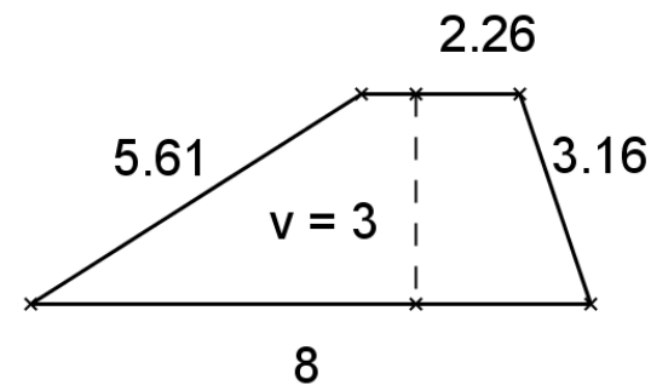
nebo

$$S = \frac{(a + c) \cdot v}{2}$$



- $S = 24\text{cm}^2; o = 21,44\text{ cm}$
- $S = 20\text{cm}^2; o = 20,64\text{ cm}$
- $S = 21\text{cm}^2; o = 19,22\text{ cm}$
- $S = 19\text{cm}^2; o = 18,22\text{ cm}$
- $S = 15,39\text{ cm}^2; o = 19,01\text{ cm}$
- $S = 21,18625\text{cm}^2; o = 21,26\text{ cm}$
- $S = 16,875\text{ cm}^2; o = 19,62\text{ cm}$
- $S = 22,32\text{ cm}^2; o = 21,33\text{ cm}$

- 1) $TU; |TU| = 4,5\text{cm}$
- 2) $p_1; p_1 \perp TU, U \in p_1$
- 3) $k_1; k_1(U; r = 3\text{ cm})$
- 4) $V; V \in p_1 \cap k_1$
- 5) $p_2; p_2 \parallel TU, V \in p_2$
- 6) $k_2; k_2(V; r = 2\text{ cm})$
- 7) $Z; Z \in k_2 \cap p_2$
- 8) Lichoběžník $TUVZ$



Př. 2: Sestroj pravoúhlý lichoběžník TUVZ, jsou-li strany TU || VZ, $|TU| = 4,5$ cm; $|VZ| = 2$ cm a výška je 3 cm. (RPKZ)