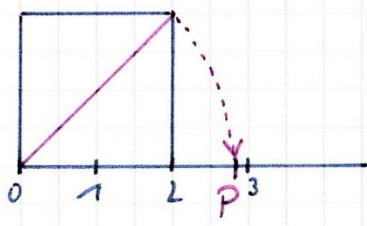


S. 17/7

- a, $1,216666\dots = 1,21\overline{6} \in \mathbb{Q}$
- b, $4,636336333633336\dots \in \mathbb{R} \setminus \mathbb{Q}$
- c, $0,3557557557\dots = 0,3\overline{557} \in \mathbb{Q}$
- d, $-0,5055055505550\dots \in \mathbb{R} \setminus \mathbb{Q}$
- e, $-2,72872727272\dots = -2,7\overline{2872} \in \mathbb{Q}$
- f, $3,210121012101\dots = 3,\overline{2101} \in \mathbb{Q}$

S. 17/9a,

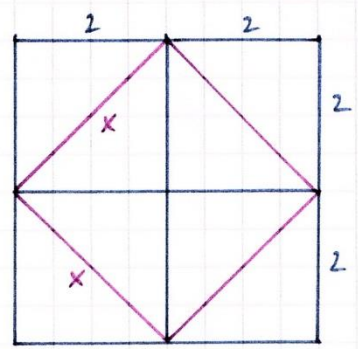


Zu P gehört der Dezimalbruch $\sqrt{8}$
 und $\sqrt{8} = 2,828427\dots \approx 2,8284$

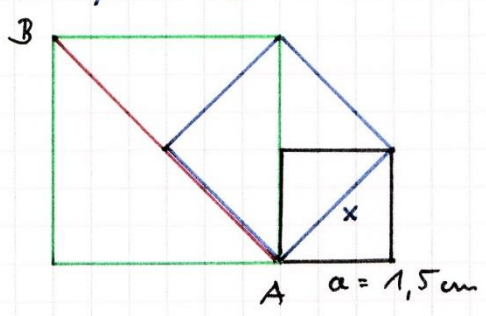
$$x^2 = \frac{1}{2} \cdot (2+2) \cdot (2+2)$$

$$x^2 = 8$$

$$x = \sqrt{8}$$



S. 17/Nv 12



$$\overline{AB} = ?$$

$$x = \sqrt{2} \cdot a = 1,5 \cdot \sqrt{2} \text{ cm}$$

$$\overline{AB} = 2 \cdot x = 3 \cdot \sqrt{2} \text{ cm}$$

$$\overline{AB} = 4,242640\dots \text{ cm}$$

$$\approx 4,2426 \text{ cm}$$