

Závěrečná zkouška z matematiky 2023

	A	B
1a	3	5
1b	$2\sqrt{13}$	$2\sqrt{17}$
2	$D_f = [0; 2) \cup (2; 3]$	$D_f = [1; 2) \cup (2; 4]$
3	$x \in \left\{ \frac{\pi}{2} + 2k\pi; \frac{7\pi}{6} + 2k\pi; \frac{11\pi}{6} + 2k\pi \right\}$ $k \in \mathbb{Z}$	$x \in \left\{ \frac{3\pi}{2} + 2k\pi; \frac{\pi}{6} + 2k\pi; \frac{5\pi}{6} + 2k\pi \right\}$ $k \in \mathbb{Z}$
4	$x \in \{0; -1\}$	$x \in \{-2\}$
5	$x \in (-3; 1] \cup [3; 7)$	$x \in (-1; 2] \cup [4; 7)$
6	$y = \frac{a-x}{2}$	$y = \frac{5a-x}{2}$
7	$\binom{12}{8} - 1$	$\binom{10}{5} - 1$
8	$S_5 = 40$	$S_6 = 39$
9	$m \in \left[0; -\frac{1}{2} \right)$	$n \in \left[\frac{3}{2}; 0 \right)$
10		