

Math Sample Exam Nr. 2

Nr.	Solution
1	$x=6$
2	$x=-2$
3	$13/4, 19/4$
4	$-17 \leq x \leq 23$
5	$x^2/2$
6	$-2$
7	$-3\sqrt{2}$
8	$3b\sqrt{2a^3}(1 - 16b\sqrt{a^3})$
9	$x=u^2$
10	$x=11$
11	$-3, 2, 1$
12	$x=y+2$
13	$y=0$
14	$-\frac{3\pi}{4}, \frac{\pi}{4}$

15	No
16	$y=2x+4$
17	$V=600\text{cm}^3$
18	$X=81$
19	12, 14
20	$\frac{1}{8}$
21	$21x^4(7x^3w + 3)^{3x-1}$
22	$\{3\} \cup (-\infty; -1] \cup [0; 1]$
23	$A=\{-8;8\}$
24	$x=\ln(5)$
25	$-\frac{\pi}{3}, \frac{\pi}{3}$
26	$c = \pm\sqrt{a^2 + 2ab + 4b^2}$