

Вариант 1

- (1) ~~7~~ (5) -42 (9) 2
(2) 72 (6) 0,28 (~~10~~) 25
(3) 12 (7) 1 (11) 52
(~~4~~) 0,93 (8) 4 (~~12~~) 11
-

(13) а) $\frac{\pi}{4} + 2\pi n$, $\frac{3\pi}{4} + 2\pi n$, $\frac{\pi}{2} + \pi n$; $n \in \mathbb{Z}$
б) $-\frac{\sqrt{2}}{2}$; $-\frac{\sqrt{2}}{4}$; $-\frac{\sqrt{2}}{2}$; $-\frac{\sqrt{2}}{4}$.

(14) б) $\arccos \frac{\sqrt{6}}{3}$

(15) $(0; \sqrt{2}] \cup [2; +\infty)$

(16) б) $24 - 12\sqrt{5}$

(17) 2685000 м³ д.

(18) $(-\infty; -1] \cup$
 $\cup [\frac{1}{4}; +\infty)$

(19) а) га б) мег в) 39