

1. Решите уравнение $1 - 2 \sin \frac{4\pi x}{3} = 0$.

- 1) $\left\{ \frac{1}{8}; \frac{5}{8}; \frac{13}{8}; \frac{17}{8}; \frac{25}{8}; \frac{27}{8}; \frac{37}{8}; \frac{41}{8}; \frac{49}{8} \right\}$
- 2) $\left\{ \frac{1}{8}; \frac{5}{8}; \frac{13}{8}; \frac{17}{8}; \frac{25}{8}; \frac{29}{8}; \frac{35}{8}; \frac{41}{8}; \frac{49}{8} \right\}$
- 3) $\left\{ \frac{1}{8}; \frac{5}{8}; \frac{13}{8}; \frac{17}{8}; \frac{25}{8}; \frac{29}{8}; \frac{37}{8}; \frac{41}{8}; \frac{49}{8} \right\}$
- 4) $\left\{ \frac{1}{8}; \frac{5}{8}; \frac{13}{8}; \frac{17}{8}; \frac{25}{8}; \frac{29}{8}; \frac{37}{8}; \frac{43}{8}; \frac{49}{8} \right\}$
- 5) $\left\{ \frac{1}{8}; \frac{5}{8}; \frac{13}{8}; \frac{17}{8}; \frac{25}{8}; \frac{29}{8}; \frac{35}{8}; \frac{41}{8}; \frac{47}{8} \right\}$
- 6) $\left\{ \frac{1}{8}; \frac{5}{8}; \frac{13}{8}; \frac{17}{8}; \frac{23}{8}; \frac{29}{8}; \frac{39}{8}; \frac{41}{8}; \frac{49}{8} \right\}$

2. Решите уравнение $1 - \sqrt{2} \cos \frac{3\pi x}{4} = 0$.

- 1) $\frac{1}{3}$ 2) $\frac{2}{3}$ 3) $\frac{7}{3}$ 4) $\frac{5}{3}$ 5) $\frac{8}{3}$ 6) $-\frac{1}{3}$