

1. Решите уравнение: $z^2 = i$.

1) $z = \frac{\sqrt{2}}{2} - \frac{\sqrt{2}}{2}i$ 2) $z = -\frac{\sqrt{2}}{2} - \frac{\sqrt{2}}{2}i$ 3) $z = \frac{\sqrt{2}}{2} + \sqrt{2}i$
4) $z = \sqrt{2} + \frac{\sqrt{2}}{2}i$ 5) $z = \frac{\sqrt{2}}{2} + \frac{\sqrt{2}}{2}i$ 6) $z = -\frac{\sqrt{2}}{2} + \frac{\sqrt{2}}{2}i$