

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)  $z = -\frac{\sqrt{2}}{2} + \frac{\sqrt{2}}{2}i$