

Instructions : Simplify the expressions

① $\sqrt{-4}$

② $(i\sqrt{6})^2$

③ $5i(2 - 3i)$

④ $(6 - 7i)^2$

⑤ $(i^3 + 2i)^2$

Instructions : solve the equations. Some may have complex solutions!

⑥ $x^2 - 10x + 25 = 0$

⑦ $x^2 - 25 = 0$

⑧ $x^4 - 25 = 0$

⑨ $x^3 - 2x^2 + 5x = 0$

⑩ $12x^3 + 18x^2 + 10x + 15 = 0$