

Imaginary #5 HW

● Rationalize each denominator

① $\frac{\sqrt{3}}{\sqrt{12}}$

② $\frac{5}{\sqrt{15}}$

③ $\frac{3}{\sqrt{12}}$

④ $\frac{10}{\sqrt{20}}$

⑤ $\frac{1}{\sqrt{12}}$

⑥ $\frac{2}{4\sqrt{3}}$

● Express each Number in Terms of i

① $\sqrt{-32}$

② $2\sqrt{-18}$

③ $\sqrt{-9}$

④ $\sqrt{-4}$

⑤ $3\sqrt{-9}$

⑥ $-\sqrt{-81}$

⑦ $3\sqrt{-49}$

⑧ $\sqrt{-45}$

Solve Each Equation

① $3x^2 + 81 = 0$

② $4x^2 = -28$

③ $\frac{1}{4}x^2 + 12 = 0$

④ $6x^2 = -126$