

Simplify:

$$i^{50} = -1$$

$$i^{21} = i$$

$$i^{44} = 1$$

$$i^{43} = -i$$

$$i^{34} = -1$$

$$i^{55} = -i$$

$$i^{25} = i$$

$$i^{14} = -1$$

$$i^{32} = 1$$

$$i^{22} = -1$$

$$i^{19} = -i$$

$$i^{60} = 1$$

WRITE IN STANDARD FORM OF COMPLEX # (a+bi)

$$-5 = -5 + 0i$$

$$6i + 4 = 4 + 6i$$

$$2i = 0 + 2i$$

$$\frac{3+2i}{4} = \frac{3}{4} + \frac{1}{2}i$$

$$\textcircled{6+5i} =$$

$$0 = 0 + 0i$$

$$\textcircled{-10+i} =$$

$$i = 0 + 1i$$

Simplify

$$\textcircled{1} \quad \frac{\sqrt{-36}}{\sqrt{-9}} = \frac{6i}{3i} = \textcircled{3} \quad \textcircled{2}$$

$$\frac{\sqrt{-3} \cdot \sqrt{-7}}{i\sqrt{3} \cdot i\sqrt{7}} = \frac{-\sqrt{21}}{-(\sqrt{21})} = \textcircled{-\sqrt{21}}$$

$$\textcircled{3} \quad \sqrt{-16} = \textcircled{4i}$$

$$\textcircled{4} \quad i^{10} \cdot i^{-3} = i^7 = \textcircled{-i}$$