

$$10.) \frac{-0.9063 + 0.4226i}{0 + 1i} \cdot \frac{1}{i}$$

$$(i) \frac{-0.9063}{i} + 0.4226$$

$$-0.9063 + 0.4226i \quad \boxed{A}$$

Sum of cubes

$$a^3 + b^3 = (a+b)(a^2 - ab + b^2)$$

Difference of cubes

$$a^3 - b^3 = (a-b)(a^2 + ab + b^2)$$

$$22.) \sum_{i=1}^{\infty} 7\left(\frac{2}{5}\right)^i$$

$$S = \frac{a_1}{1-r}$$

$$a_1 = 7\left(\frac{2}{5}\right)^1 = \frac{14}{5}$$

$$r = \frac{2}{5}$$

$$S = \frac{\frac{14}{5}}{1 - \frac{2}{5}}$$

$$4.\bar{6} \quad \boxed{A}$$

$$6.) \quad 4u = 28i - 16j$$

$$5v = -20i + 30j$$

$$4u + 5v = \boxed{8i + 14j}$$

$$\boxed{C}$$

$$(2.) C = 4715 + 1897.50 + 2.75x$$

$$R = 2530 + 8.50x$$

$$2530 + 8.50x = 4715 + 1897.50 + 2.75x$$

$$x = 710$$

C