

$$\text{I} \quad \frac{3+5i}{2i} \cdot \frac{2i}{2i} = \frac{6i - 10}{-4} = -\frac{3}{2}i + \frac{5}{2} \quad \cancel{+ \pi \otimes}$$

$$\text{II} \quad \frac{5-2i}{4i+1} \cdot \frac{4i-1}{4i-1} = \frac{20i - 5 + 8 + 2i}{-16 - 1} = \frac{3 + 22i}{-17} \\ = -\frac{3}{17} - \frac{22}{17}i$$

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$$(2i-5) \cdot [(3i+4) - 2(i-4)] \quad \cancel{\times}$$

$$(2i-5) \cdot (3i+4 - 2i+8)$$

$$(2i-5)(i+12)$$

$$2i^2 + 24i - 5i - 60 = -62 + 19i$$

$$\alpha = \arccos \frac{-62}{19} + \pi$$

$$3) \quad 4i^8 \cdot (4i-2i'') \cdot [(i^3+i), (4i+1)]$$

$$4 \quad (4i+2i) \cdot [(-i+2i) \cdot (4i+1)]$$

$$24i \quad \cdot (-4+i)$$

$$z = -24 - 96i \quad \alpha = \arctan \tan\left(\frac{96}{24}\right) + \pi$$

$$5) \quad \frac{3-2i}{i-1} \cdot \frac{i+1}{i+1} = \frac{3i+3+2-2i}{-1-1} = \frac{5+i}{-2}$$

$$\frac{3i+4}{1-2i} \cdot \frac{1+2i}{1+2i} = \frac{3i-6+4+8i}{1+4} = \frac{-2+11i}{5}$$

$$\frac{-25-5i - (-4+22i) - (3i+19)}{10}$$

$$\frac{-40-30i}{10} = -4 - 3i \quad \alpha = \arctan\left(\frac{3}{4}\right) + \pi$$

$$r = \sqrt{16+9} = 5$$

$$z^2 - (6i - 4) \cdot z = R_i + g \quad | - R_i - g$$

$$z^2 - \underbrace{(6i - 4)}_P \cdot z - \underbrace{R_i - g}_q = \delta$$

$$z_{1/2} = \frac{6i - 4}{2} \pm \sqrt{\left(\frac{6i - 4}{2}\right)^2 - (-R_i - g)}$$

$$-3i - 2 \pm \sqrt{(3i - 2)^2 + R_i + g}$$

$$-3i - 2 \pm \sqrt{-g - R_i + 4 + R_i + g}$$

$$\begin{aligned} z_1 &= 3i - 2 + 2 \\ &= 3i \end{aligned}$$

$$\begin{aligned} z_2 &= 3i - 2 - 2 \\ &= 3i - 4 \end{aligned}$$

$$A(x; y; z) = \underline{\neg(x \wedge y)} \vee \underline{(z \rightarrow \neg y)}$$

x		w	w	w	f	f	f	f
y		w	f	f	w	w	f	f
z		w	f	w	f	w	w	f
$x \wedge y$		w	w	f	f	f	f	f
$\neg(x \wedge y)$		f	f	w	w	w	w	w
$\neg y$		f	f	w	w	f	f	w
$z \rightarrow \neg y$		f	w	w	w	w	w	w
$(I) \vee (\underline{II})$		f	w	w	w	w	w	w

$$E[A] = \mathbb{R}_{00}(^3 \setminus \{www\})$$