$$\frac{2-3i}{3+2i} = \frac{2-3i}{3+2i} = \frac{2-3i}{3+2i} = \frac{2-3i}{3+2i} = \frac{6-13i+6i^2}{9-4i^2} = \frac{-1i}{13} = -i$$

1.4
$$\ell$$
 $2 = 2 \cdot i \sqrt{5}$ $2 = 2 - i \sqrt{5}$ $|z|^2 = 2 \cdot 2^{\#} = |2 + i \sqrt{5}| |2 - i \sqrt{5}|$
 $4 - i^2 5 = 9$
 $|2| = 3$

1.10 b
$$2^{3}-1=0 \qquad f=0$$

$$2^{3}=1 \qquad \text{(J)} \beta=1 \qquad \sin \beta=0$$

$$3/7=\text{(J)} \frac{0+2\pi k}{3} + i \sin \frac{0+2\pi k}{3}$$

$$k = 0$$

$$\text{(U)} \frac{0}{3} + i \sin \frac{0}{3} = 7$$

$$k = 1 \quad (0) \quad \frac{2\pi}{3} + i \quad \sin \frac{2\pi}{3} = -0, + i \quad \sin \frac{2\pi}{3} = -0, + i \quad \frac{\sqrt{3}}{2}$$

$$k = 2 \quad (0) \quad \frac{4\pi}{3} + i \quad \sin \frac{4\pi}{3} = -0, + i \quad \sin \frac{4\pi}{3} = -0, + i \quad -$$