## ການແກ້ສົມຜົນໃນຈຳນວນສົນ

3059: 
$$ax + bx + (=0)$$
 $A = b - 4ac$ 
 $b + 5$ 

$$X_{1,2} = \frac{-b \pm \sqrt{\Lambda}}{2a}$$

ACO VINGA

## ຕົວຢາງ 12. ຈົ່ງແກ້ສົມຜົນລຸ່ມນີ້

1) 
$$(2+3i)x = x-1$$

2) 
$$\frac{2+i}{1-1}x = \frac{-1+3i}{2+i}$$

3) 
$$x^2 - 4x + 13 = 0$$

4) 
$$2x^2 - ix + 1 = 0$$

5) 
$$x^2 + (-2+i)x - 2i = 0$$

6) 
$$4x^2 - 2x - i\sqrt{3} = 0$$

$$1.(2+3i)x = x-1$$

$$(2+3i)x - x = -1$$

$$\chi\left(2+31\right)-1 = -1$$

$$\chi(2+3)-1)=-1$$

$$\chi(1+31)=-1$$

$$\gamma = \frac{-1}{1+3i} = \frac{-1(1-3i)}{(1+3i)(1-3i)}$$

$$=\frac{-1+31}{1-(31)^2}=\frac{-1+31}{1-6(-1)}=\frac{-1+31}{7}$$

$$\chi = -\frac{1}{7} + \frac{3}{7}$$

$$3. \chi - 4\chi + 13 = 0$$

$$A = b - 4ac$$

$$= (-4) - 4 \cdot 1 \cdot 13$$

$$= (-4) - 4 \cdot 1 \cdot 15$$

$$= 16 - 52$$

$$\Delta = -36 \Rightarrow \sqrt{A} = \sqrt{-36} = \sqrt{36}i = 6i$$

$$A_{1} = -\frac{6 + \sqrt{A}}{2a} = \frac{-(-4) + 6i}{2a - 2} = \frac{4 + 6i}{2} = \frac{2/(2 + 3i)}{2} = 2 + 3i$$

$$A_{2} = -\frac{6 - \sqrt{A}}{2a} = -\frac{(-4) - 6i}{2} = \frac{4 - 6i}{2} = \frac{2/(2 - 3i)}{24} = 2 - 3i$$