

$$|| = || - ||, ||^2 = - ||, ||^3 = - ||, ||^4 = ||$$

$$2 + 3i + 7i^{2} + 5i^{3} + 9i^{4}$$

$$2 + 3i + 7(-1) + 5(-i) + 9(1)$$

$$2 + 3i - 7 - 5i + 9$$

$$\boxed{4 - 2i} - (omplex number)$$

$$\boxed{-4 + 15i}$$

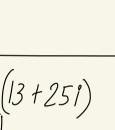
$$7 - (0i) - (3 + 30i)$$

$$7 - (0i - 3 - 30i)$$

$$\boxed{4 - 40i}$$

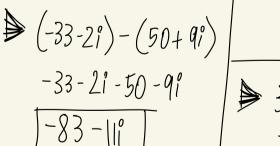
$$\boxed{35 - 23i} + (13 + 25i)$$

$$\boxed{48 + 2i}$$



2-31-6+181

-4+159



$$3(-2+10i) -6i(5+7i) -6+30i -30i-42i^2$$

-12-36i

(4+i)(7-3i)

28 - 121 + 71 - 312

28-51-3(-1)

(1+2i)(3+i)

| 15 - 15° |

3+1+61+212

(2-i)(2+i)

4-12

1-22 + 4i°

4 +21-21-12

90(-4-70)

-5° (5°-5)

$$\begin{array}{c|c}
7 - 10i - 3 - 30i \\
\hline
4 - 40i \\
\hline
\end{array}$$

$$\begin{array}{c|c}
(21 + 2i) + (13 + 8i)
\end{array}$$

34 + 101

> −3i(8i + 5)

(-14+3°)-(14°)

-14 +3î - 141

| - |4 - ||°

$$\begin{array}{c|c}
\hline
 & -36i + 12(-1) \\
\hline
 & -12 - 36i
\end{array}$$

$$\begin{array}{c|c}
 & -2 - 3i \\
\hline
 & 10 + 4i + 15i + 6i^2
\end{array}$$

$$\begin{array}{c|c}
 & 2x^2 + 5 = 6x \\
\hline
 & 2x^2 - 6x + 5
\end{array}$$

6±\-4

8(11i + 2)

88î+16

10-6+199

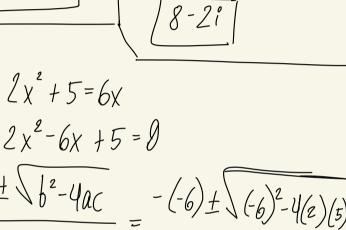
4 + 19:1

6±\36-40

> −6i(6-2i)

-369 + 12°2

 $-b \pm \sqrt{b^2 - 4ac}$



2(2)

(1+°)·(3-5°)

3-21-5(-1)

3-21+5

3-51+31-512

$$\frac{-9x^{2} + x + 3 = 0}{-b \pm \sqrt{b^{2} - 4ac}} = \frac{-1 \pm \sqrt{(1)^{2} - 4(-9)(3)}}{2(-9)} = \frac{-1 \pm \sqrt{1 + 108}}{-18}$$

 $\Rightarrow 3x^2 + 9x + 17 = 0$

$$\frac{-1 \pm \sqrt{109}}{-18} = \frac{1 \pm \sqrt{109}}{18} = \sqrt{\frac{1}{18} \pm \frac{\sqrt{109}}{18}}$$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-9 \pm \sqrt{9}^2 - 4\sqrt{3}(17)}{2(3)} = \frac{-9 \pm \sqrt{81 - 204}}{6}$$

$$\frac{-9 \pm \sqrt{-123}}{6} = \frac{-9 \pm 123i}{6} = \frac{-9}{6} \pm \frac{123i}{6} = \frac{-3}{2} \pm \frac{123i}{6}$$

$$\int 5x^2 + 3x + 1 = 0$$

$$- 6 + \int 6^2 - 4ac$$

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-3 \pm \sqrt{(3)^2 - 4(5)(1)}}{2(5)} = \frac{-3 \pm \sqrt{9 - 20}}{10}$$

$$\frac{-3 \pm \sqrt{-11}}{10} = \frac{-3 \pm i\sqrt{11}}{10} = \sqrt{-\frac{3}{10} \pm \frac{11}{10}}$$

$$\frac{2x^{2} + 3x - 11 = 0}{-b \pm \sqrt{b^{2} - 4ac}} = \frac{-3 \pm \sqrt{(3)^{2} - 4(2)(-11)}}{2a} = \frac{-3 \pm \sqrt{9 + 88}}{2}$$

$$\frac{-3\pm\sqrt{97}}{4} = \sqrt{-\frac{3}{4}\pm\frac{97}{4}}$$

 $(70 + 22i) - (71 + 70i) \geqslant 3i(3 + 2i)$

$$\frac{-1 \pm \sqrt{109}}{-18} = \sqrt{\frac{1}{18} \pm \frac{\sqrt{109}}{18}}$$

$$\frac{129}{-18} = \frac{1}{18} \pm \frac{1}{1$$

-6+7i-2(-1)

-6 + 7i +2

-4+71

$$\begin{array}{c|c}
\hline
3 + 2i \\
3i - 2i^2
\end{array}$$

$$\begin{array}{c|c}
\hline
-60i + 52
\end{array}$$



52-60°









$$||i(-8 + |0i)| - 88i + |10i| - |-19 + 7i| - |-29 - 32i| - |-48 - 25i| - |-10 - 88i| + |-10(-1)| - |-10 - 88i| + |-15 + 25i| - |-15 + 40i - 25(-1)| - |-15 + 40$$

| 10+402 |

 $-4+49-59+59^{2}$

(-4-51) · (1-1)

-4-9+5(-1)

-4-5-i

- -15+25+40?

- 土 \ -18 ± 1518

1 3/ 2

-19 + 71-29 -32i

- -48-251

 $3x^2 + 9x + 17 = 0$

 $-b \pm \sqrt{b^2 - 4ac}$

201

-9±\81-204

 $-9\pm\sqrt{(9)^2-4(3)(17)}$

2(3)

-9±\-123

-9± %\123