

60f6

b) $7x^2 = -2x - 11$

$7x^2 + 11 = -2x$

$7x^2 + 2x + 11 = 0$

~~$x = \frac{-2 \pm \sqrt{4 - 4 \cdot 7 \cdot 11}}{2 \cdot 7}$~~

$x_{1/2} = \frac{-2 \pm \sqrt{4 \cdot 19i}}{2 \cdot 7}$

$x_1 = \frac{-2 + 4\sqrt{19i}}{2 \cdot 7} \quad x_2 = \frac{-2 - 4\sqrt{19i}}{2 \cdot 7}$

~~Det~~ $x = \frac{-2 + 4\sqrt{19i}}{2 \cdot 7} = \frac{1}{7} + i \frac{2\sqrt{19}}{7}$

$x = \frac{-2 - 4\sqrt{19i}}{2 \cdot 7} = \frac{1}{7} - i \frac{2\sqrt{19}}{7}$

$x = -\frac{1}{7} + i \frac{2\sqrt{19}}{7} \quad x = -\frac{1}{7} - i \frac{2\sqrt{19}}{7}$

c) $(5+3j)^4$