**LT #3: Solving Polynomial Equations** (2 points each)
1. Write the equation of a polynomial function in standard form.

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5.

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$$ f\left(x\right)=(x-1)(x+1)(x^{2}+4)$$

 2. Write the equation of the polynomial in standard form.

 $f\left(x\right)=(x+9)^{2}$

Find all the complex zeros by solving the polynomial equation.(3 points each)

3. $x^{3}+2x^{2}-9x-18=0$

4. $x^{3}+4x^{2}+3x$=0

5. $x^{3}-2x^{2}+5x$=0