SHOW _ALL_ WORK FOR FULL CREDIT!

Solve (3pts.)

1) $x^3 + x^2 + 4x + 4 = 0$

Solve (6 pts.)

2) $4x^3 + 16x^2 - 22x - 10 = 0$

Solve (4pts.)

3) $x^3 - 2x^2 + 16x - 32 = 0$

Find a polynomial equation with the given roots. (3pts.)

4) 8 and $3i$