Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What mathematical properties of the neutron flux and neutron current do you know?
2. Name 2 popular kinds of numerical meshes for numerically solving the neutron diffusion equation.
3. What is the first step in deriving finite-difference equations.
4. What is the algebraic structure of the finite-difference equations in 1D geometry?
5. What is the algebraic structure of the finite-difference equations in 2D geometry?
6. In the concept of 5-point stencil, what is 5 here?