Week 16 summary:

- Solving the 2D heat & wave eqns.

  Assume $u(x, y, t) = f(x, y) \, g(t)$, separate variables.

  Get the Helmholtz eqn for $f$: $\Delta f = \lambda f$, $\lambda = -n^2 + m^2$

  The solution has the form $\sum_{n=1}^{\infty} \sum_{m=1}^{\infty} U_{nm}(x, y, t)$.

  Add this to the steady-state sol'n (heat eq'n only).