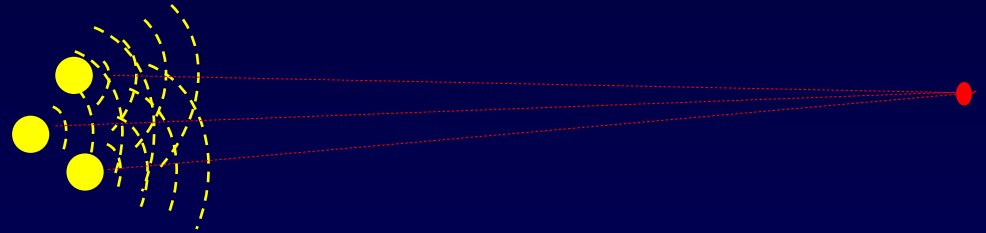# Act 4: Multiple sources

Consider light now coming from *three* openings, arranged in an equilateral triangle.

At given distance far from the openings, the light from each independently has intensity I_1. What is the total intensity when all three openings are open?

    a. $3I_1$ b. $9I_1$ c. cannot be determined