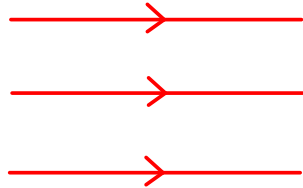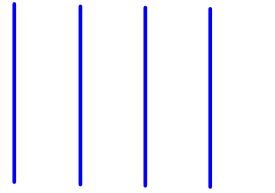# Wavefronts and Rays

Usually we draw light as rays and water ripples as wavefronts, but all waves can be represented both ways.
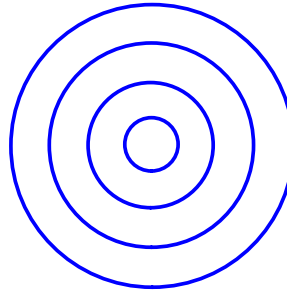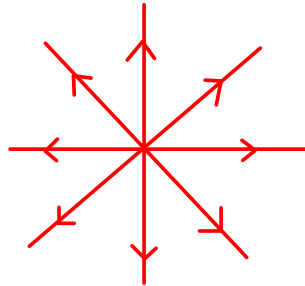
Example 1: waves moving to the right

light - shown as rays   ripples - shown as wavefronts

Example 2: waves spreading out from a point

Wavefronts are always perpendicular to rays.

We can use wavefronts **and** rays on the same diagram.

Example 3: reflection