Convex Lens Definitions

- If the center of curvature for Side 1 is on its opposite side, then its radius is considered positive.
- If the center of curvature for Side 2 is on its opposite side, then its radius is considered positive.

Concave Lens Definitions

- If the center of curvature for Side 1 is on its same side, then its radius is considered negative.
- If the center of curvature for Side 2 is on its same side, then its radius is considered negative.

Convex Lenses (R1>0, R2>0)

- Magnifying glasses and zoom lenses work this way.

Convex Lenses (R1>0, R2>0)

- Some telescopes work this way.
Concave Lenses (R1<0, R2<0)

Fisheye lenses work this way.

Convex
Concave