If you are farsighted...
(near point is too far)

Too close for far-sighted eye to focus

Near point of farsighted eye

"Tensed" lens

Image formed behind retina

Object

$$d_o$$

$$d_{near}$$

Far-sighted eye can focus on this!

Near point of farsighted eye

Converging lens

Object

Image formed on retina

Contacts form virtual image at near point – becomes object for eye.
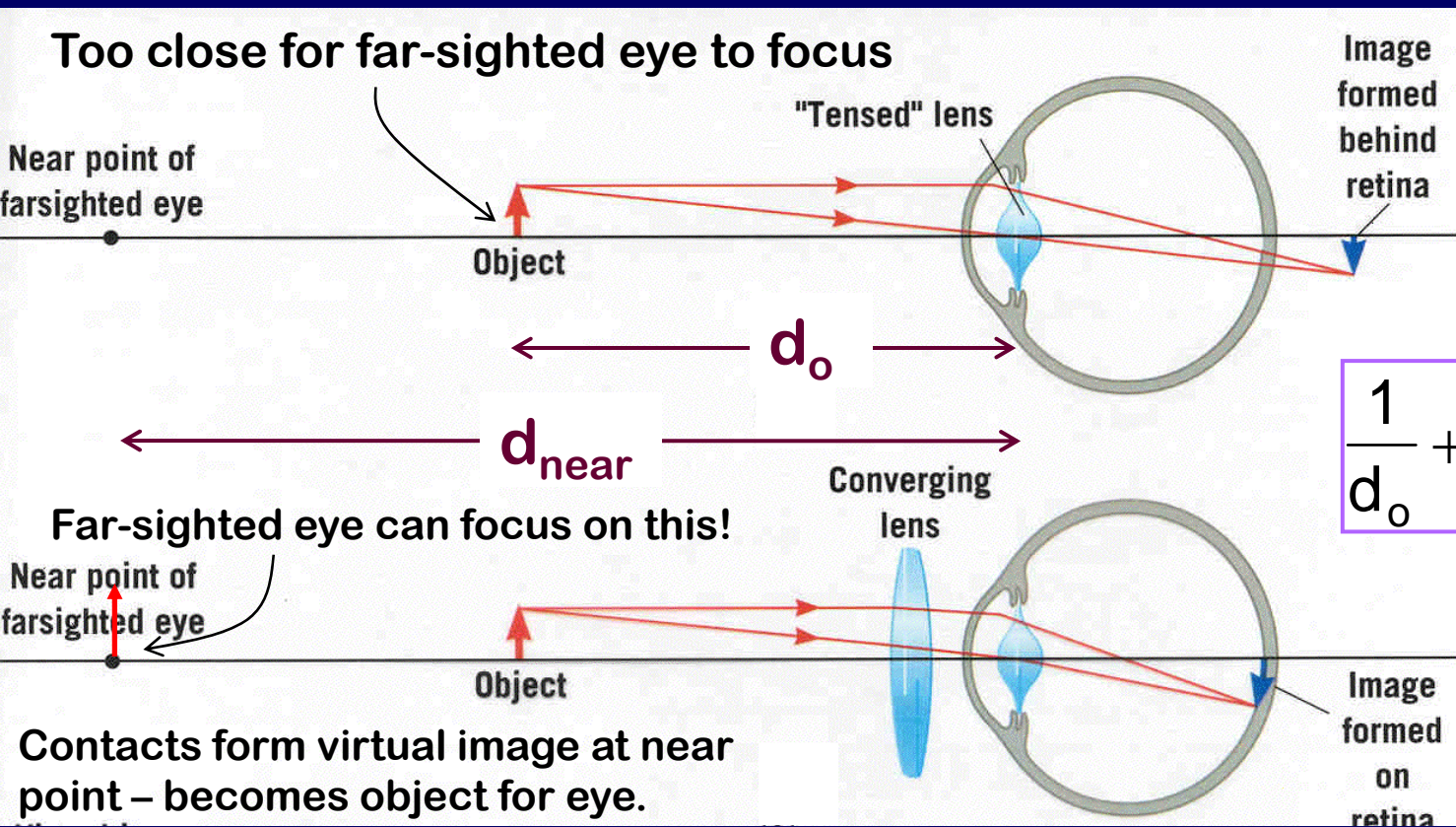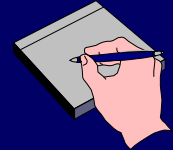
$$\frac{1}{d_o} + \frac{1}{-d_{near}} = \frac{1}{f_{lens}}$$

Example

When object is at d_o, lens must create an (virtual) image at $-d_{near}$

$$\frac{1}{25\,\text{cm}} + \frac{1}{-50\,\text{cm}} = \frac{1}{f}$$

$$f = 50\,\text{cm}$$