Problem 11:

**Lens #1:** \( \frac{1}{o} + \frac{1}{i} = \frac{1}{f} \Rightarrow \frac{1}{i} = \frac{1}{20} - \frac{1}{40} = \frac{1}{40} \Rightarrow i = 40 \text{ cm to right of #1} \\

**Lens #2:** \( o \) is a negative number because it is on the right of \( f \).
\( \frac{1}{i} = \frac{1}{f} - \frac{1}{o} = \frac{1}{10} - \frac{1}{(-10)} = \frac{1}{5} \Rightarrow i = 5 \text{ to right of #2} \)