

Warm Up Question 1

A telescope consists of two convex lenses arranged as shown in Fig 35.1. Suppose that the object moves closer to the objective. How does this affect the position of the real image made by the objective? How does it affect the position of the virtual image made by the eyepiece?

1. Real image approaches and virtual image approaches the eyepiece.
2. Response

Warm Up Question 2

Two sources produce magnetic fields at one location. The first field has magnitude 2.0 T and points at angle midway between the positive x and y axes. The second has magnitude 2.0 T and points along the negative y axis. Is the magnitude of the net magnetic field 0.0 T , 4.0 T or something between? Explain your answer.

1. 0.0 T
2. Between.
3. 4.0 T

Question 1

here

1.

2.

3.

4.

Question 2

here

1.

2.

3.

4.