

Ray Diagrams

Physics 104

Consider a converging lens with focal length 20 cm. An object is placed 30 cm in front of the lens. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



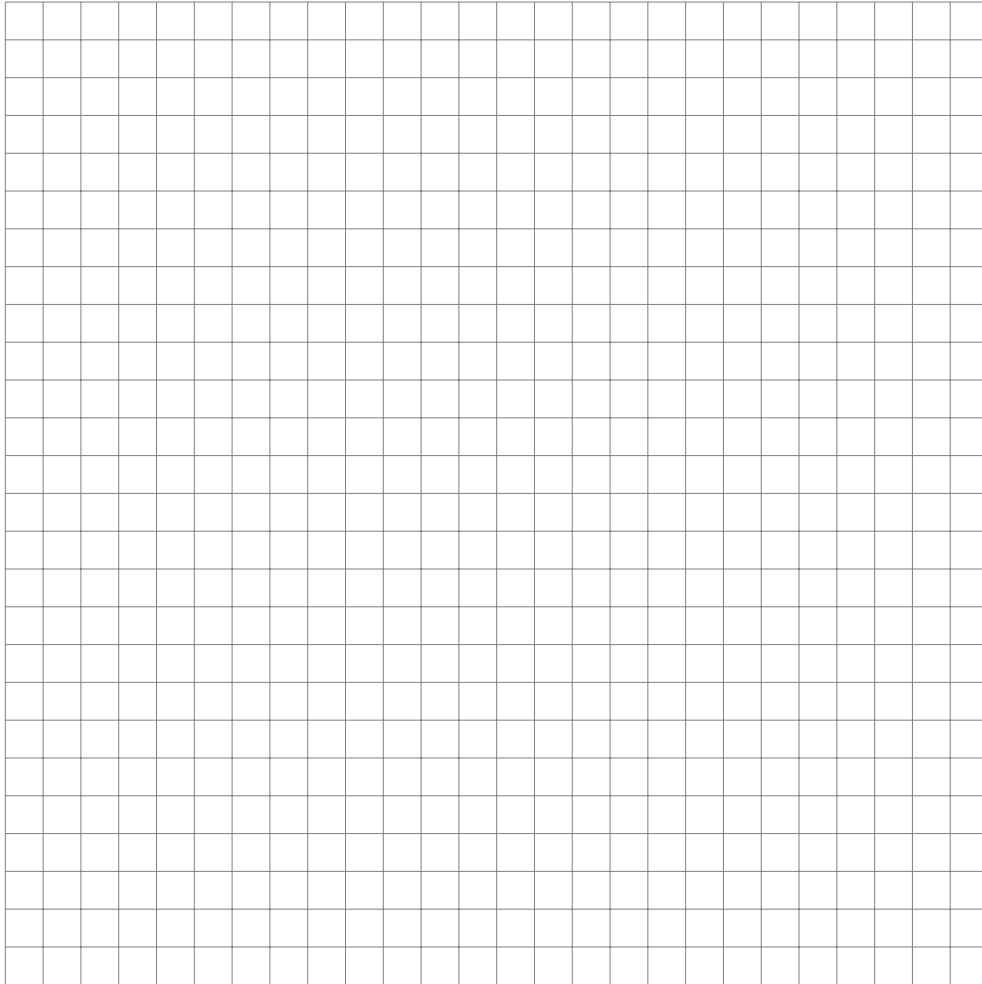
Consider a converging lens with focal length 20 cm. An object is placed 10 cm in front of the lens. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



Consider a diverging lens with focal length -20 cm. An object is placed 30 cm in front of the lens. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



Consider a diverging lens with focal length -20 cm. An object is placed 10 cm in front of the lens. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



Consider a concave mirror with radius 20 cm. An object is placed 15 cm in front of the mirror. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



Consider a concave mirror with radius 20 cm. An object is placed 5 cm in front of the mirror. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



Consider a convex mirror with radius 20 cm. An object is placed 15 cm in front of the mirror. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?



Consider a convex mirror with radius 20 cm. An object is placed 5 cm in front of the mirror. Make a ray diagram that shows where an image would be formed. Is the image real or virtual? Is it inverted or upright?

