

23.39. Model: Treat the red ball as a point source and use the ray model of light.

Solve: (a) Using the law of reflection, we can obtain 3 images of the red ball.

(b) The images of the ball are located at B, C and D. Relative to the intersection point of the two mirrors, the coordinates of B, C, and D are: B(+1 m, -2 m), C(-1 m, +2 m) and D(+1 m, +2 m).

(c)

