In this activity, you will construct special ray diagrams for plane mirrors. The heavy vertical line is the position of the mirror. The object is already drawn for you.

Your diagrams will be graded on neatness, so be careful. Don't forget your arrows!
Case 1: Locate the image of the object as shown.


## Case 2: Locate the image of the object as shown.

Object height $=$ $\qquad$ Cm

Image height $=$ $\qquad$ cm
$\qquad$ cm

Image distance $=$ $\qquad$ cm

## Case 3: Locate the image of the object as shown.



Case 3: Locate the image of the object as shown.


