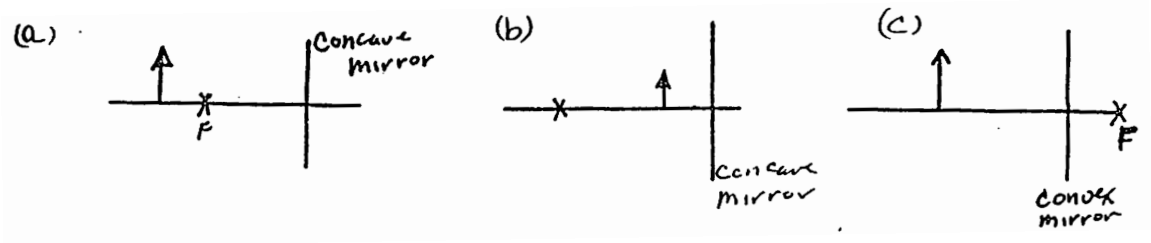
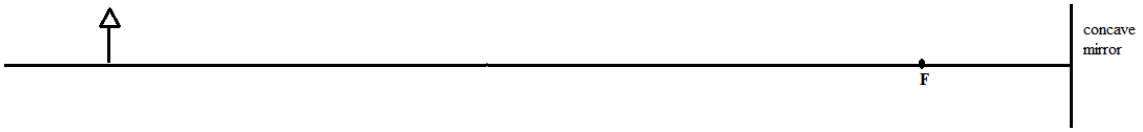
IB Physics I WS 5 Mirror Ray Diagrams Name:_____

Per:____

1) Draw Ray diagrams to locate the images in each case below. Include images on the sketches.



2) A 10.0 cm object is placed 120 cm in from a concave mirror with a focal length of 20.0 cm. Make a ray diagram and determine:

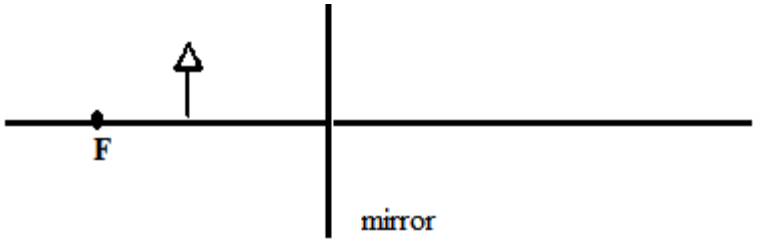


a) the location of the image. (<u>How far is it from the mirror</u>?)

b) the size of the image

c) The image is (*circle correct ones*) :
enlarged/reduced, upright/inverted, real/virtual

3) An object is placed 5.00 cm inside the focus of a parabolic mirror with focal length of 15.0 cm. Draw a ray diagram and answer:



a) Where is the image? (*I want a sentence, with a number in it*)

b) If the object is 6.00 mm high, how large is the image?

-over for ws 4-