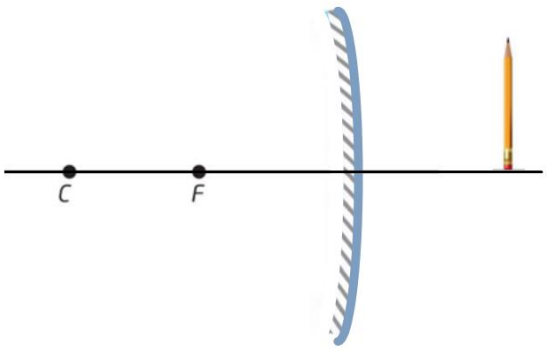
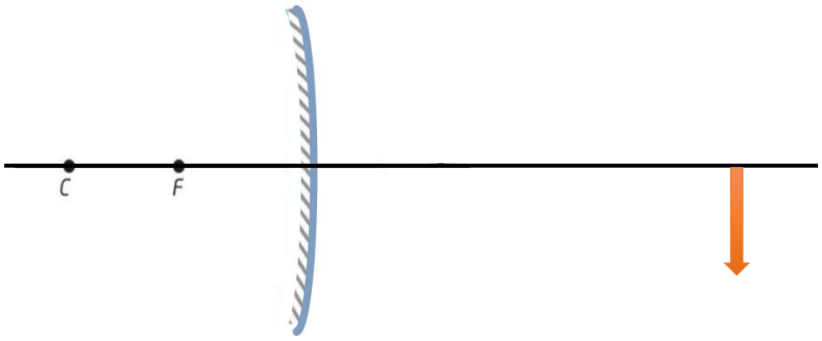
1. Draw the images for the following concave mirror setups. Fill in the L.O.S.T. information in the right column. Use a ruler for drawing all rays.

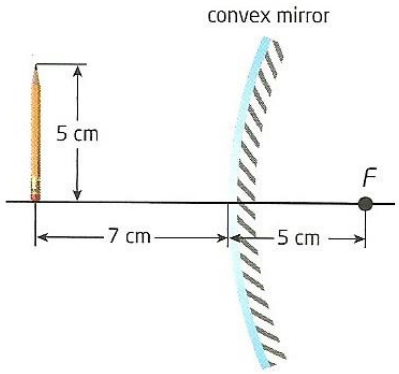
Convex Mirror Setups	Location, Orientation, Size, Type
	
	

2. What are three benefits of using a Solar cooker (textbook 429, internet "benefits of solar cooker).

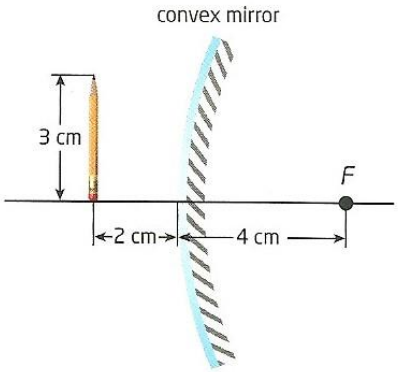
(a)

(b)

(c)



Use this diagram to solve problem 2.



Use this diagram to solve problem 3.

Practice Problems

1. A convex mirror has a focal length of −0.90 m. An object with a height of 0.40 m is 2.5 m from the mirror.
   - **a.** Calculate the image distance.
   - **b.** Calculate the image height.
2. Use the data in the diagram on the left to answer the questions below.
   - **a.** Calculate the image distance.
   - **b.** Calculate the image height of the image.
3. Use the data in the diagram on the left to answer the questions below.
   - **a.** Calculate the image distance.
   - **b.** Calculate the image height.
4. A convex security mirror in a warehouse has a focal length of −0.50 m. A forklift, which is 2.2 m tall, is 6.0 m from the mirror.
   - **a.** Calculate the image distance.
   - **b.** Calculate the image height.