

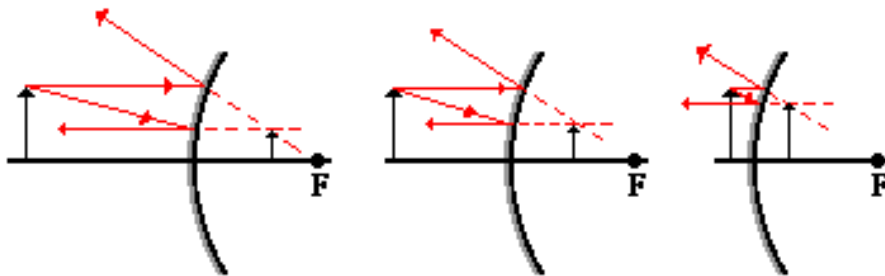
### Answer on Question #46641 – Physics – Other

Image formed by convex mirror for real object placed anywhere is ?

- Real
- Virtual
- Enlarged
- Inverted

#### Solution:

To answer these question, we will look at three different ray diagrams for objects positioned at different locations along the principal axis. The diagrams are shown below.



The diagrams above show that in each case, the image is

1. located behind the convex mirror
2. a virtual image (formed when the outgoing rays from a point on an object always diverge)
3. an upright image
4. reduced in size (i.e., smaller than the object)

thus, correct answer to the question is «Virtual»

**Solution:** Virtual