#### IMAGES FROM A MIRROR

### Prof. Stephen Sekula 11/22/2010 Supplementary Material for PHY1308 (General Physics -Electricity and Magnetism)

## ANNOLINCEMENTS

- Homework 12:
  - Due Tuesday by 5pm (covers chapter 30)
- Homework 13:
  - Available on Tuesday
  - Due Tuesday, Nov. 30 by 5pm

# LIGHT IS AN ELECTROMAGNETIC WAVE



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### TREATED AS "RAYS" IN OPTICS

 $\theta_1 \quad \overline{\theta_1}$ 

Incident laser

beam

Reflected laser beam

## PLANE MIRROR







#### HUBBLE SPACE TELESCOPE: BEFORE AND AFTER REPAIR











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#### DERIVING THE MIRROR EQUATION



#### DERIVING THE MIRROR EQUATION

