

**Geometric Optics  
Practice Problems**  
PSI AP Physics B

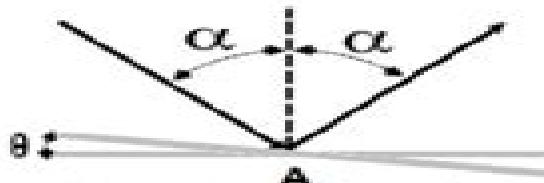
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**Multiple Choice Questions**

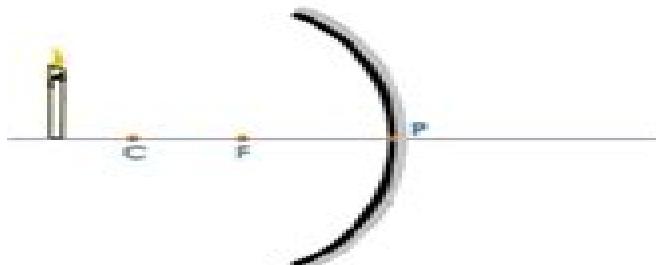
1. When an object is placed in front of a plane mirror the image is:  
(A) Upright, magnified and real  
(B) Upright, the same size and virtual  
(C) Inverted, demagnified and real  
(D) Inverted, magnified and virtual  
(E) Upright, magnified and virtual



2. A point object is placed in front of a plane mirror. Which is the correct location of the image produced by the mirror?  
(A) A (B) B (C) C (D) D (E) E



3. A narrow beam of light is incident on the surface of a plane mirror. The initial angle between the incident ray and reflected ray is  $2\alpha$ . If the mirror is turned around point A by the angle  $\theta$  what is the change of the angle between two rays?  
(A)  $\theta$  (B)  $2\theta$  (C)  $4\theta$  (D)  $\theta/2$  (E)  $\theta/4$



# Geometric Optics Multiple Choice Questions With Answers

**David V. Guerra**

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