| Name: | 81 | 山 |
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REFLECTION STUDY SHIES #2.0

| 2 Far In June |
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| 1. When the sun has just set and the moon appears as a narrow crescent, the "dark" part of the moon can be seen. How is this possible and what is it called? |
| 2. In the diagram at the right, which is the angle of incidence |
| and which is the angle of reflection? 3. If you can see the eyes of someone in a complicated system of mirrors, is it possible for him/her to |
| see your eyes? See your eyes See your eye |
| 4. What is the focal length of a plane mirror? |
| 5. Is a real image formed by a curved mirror ever larger than the actual object? |
| 6. Is a virtual image formed by a curved mirror ever smaller than the actual object? |
| 7. Where must an illuminated object be placed with reference to a concave mirror with a focal length of 1 meter in order for its image to be focused on a screen 6 meters from the parror? What type of image is formed? |
| 8. An object is placed 25 cm from a concave mirror with a focal length of 10 cm. Drawa sketch and calculate where the image is located and its size. |
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| 9. An object is located 10 cm in front of a concave mirror whose focal length is 15 cm. Draw a sketch and calculate where the image is located and its size. |
| 10. An object is located 30 cm in front of a concave mirror who be focal length is 20 cm. Draw a sketch and calculate where the image is located and its size. |
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| 11. An object is located 6 cm in front of a concave mirror whose focal length is 12 cm. Draw a sketch and calculate where the image is located and its size |
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| 12. An object is 24 cm from a convex mirror whose focal length is 8 cm. Draw a sketch and calculate where the image is located and its size. |
| 13. An object is 50 cm from a convex mirror whose focal length is 25 cm. Draw a sketch and calculate where the image is located and its size. |
| $\int_{1-\frac{\pi}{3}}^{2\pi} \frac{1}{5^{1/3}} \frac{1}{5^{1$ |