- Name:
- 1. State the law of reflection. Write the equation. (10 pts)
- 2. State the law of refraction. Write the equation. (10 pts)
- 3. What is the definition of a virtual image? (10 pts)
- 4. What is total internal reflection? (10 pts)
- 5. Define *critical angle*. (10 pts)
- 6. Define *parallax*. (10 pts)
- 7. Write Snell's Law. Using Eq. 21.4, derive the equation for the critical angle:  $\theta_C =$  \_\_\_\_\_. (40 pts)