* **Ch. 8 (Section 4) Ch. 12 (Sections 1–3) Ch. 14 (Sections 1–3)**

1. Which of the four operations on functions do you think is the easiest to perform? What is the most difficult? Explain why.
2. Write a word problem involving a quadratic function. How would you explain the steps in finding the solution to someone not in this class?
3. Is the compound interest formula—such as would be used to calculate a car loan—an example of a function? If yes, of what type of function is it an example? Why might you identify it with that type of function?
4. What is the relationship between exponents and logarithms? How would you distinguish between the two, using both a graph and a sequence?