Answers:

- 1. a. 4
 - **b.** 4
 - **c.** 4
- **2. a.** 2
 - **b.** 2
 - **c.** 2
- **3. a.** 2
 - **b.** 1
 - **c.** DNE b/c limit of f(x) from the left of 3 does not equal the limit of f(x) from the right of 3.

DNE b/c
$$\lim_{x\to 3^-} f(x) \neq \lim_{x\to 3^+} f(x)$$

- **4. a.** 1
 - **b.** 4
 - **c.** DNE b/c limit of f(x) from the left of 2 does not equal the limit of f(x) from the right of 2. or

DNE b/c
$$\lim_{x\to 2^{-}} f(x) \neq \lim_{x\to 2^{+}} f(x)$$

- **5. a.** 2
 - **b.** 2
 - **c.** 2
- **6. a.** 2
 - **b.** 2
 - **c.** 2
- **7.** ½
- **8.** –¹/₄