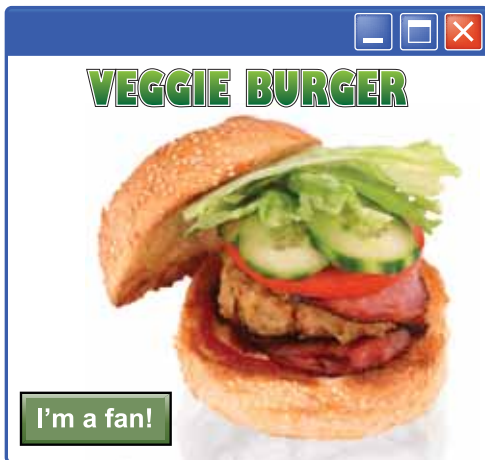


## 3.2 Exercises

**Social Networking** In Exercises 1–7, use a set diagram to analyze the statement about a social networking website. (See Examples 1 and 2.)

1. You own all the content and information that you post.
2. All businesses can join the website and create fan clubs.
3. All individuals can join the website, post pictures, and manage their privacy settings.
4. You can receive a text message notification on your phone for every friend request and every email you receive on the website.
5. You will not conduct any contests on the website without prior authorization from the website administrators. All unauthorized contests found will be considered illegal activity and will be terminated. Your membership may also be terminated.



6. A fast-food restaurant has a fan page for its avocado burger and a separate fan page for its jalapeno burger. Every member who is a “fan” of both burgers will receive a coupon for a free burger of his or her choice.
7. All members who are fans of the avocado burger, jalapeno burger, and veggie burger are eligible for a grand prize. Add this information to your set diagram in Exercise 6.

8. **Privacy Settings** The recommended privacy settings on a social networking website are shown.

- a. Use a set diagram to analyze the different categories of members. Indicate what parts of your profile are accessible to each region in the set diagram.
- b. You have a circle of friends that you frequently spend time with as a group. Where in the set diagram are these friends most likely located?

|                                  | Friends | Friends of Friends | All Members |
|----------------------------------|---------|--------------------|-------------|
| Name and main picture            | ✓       | ✓                  | ✓           |
| Family and relationships         | ✓       | ✓                  | ✓           |
| Photos and videos                | ✓       | ✓                  |             |
| Political views                  | ✓       | ✓                  |             |
| Birthday                         | ✓       | ✓                  |             |
| Permission to write on your page | ✓       |                    |             |
| Contact information              | ✓       |                    |             |