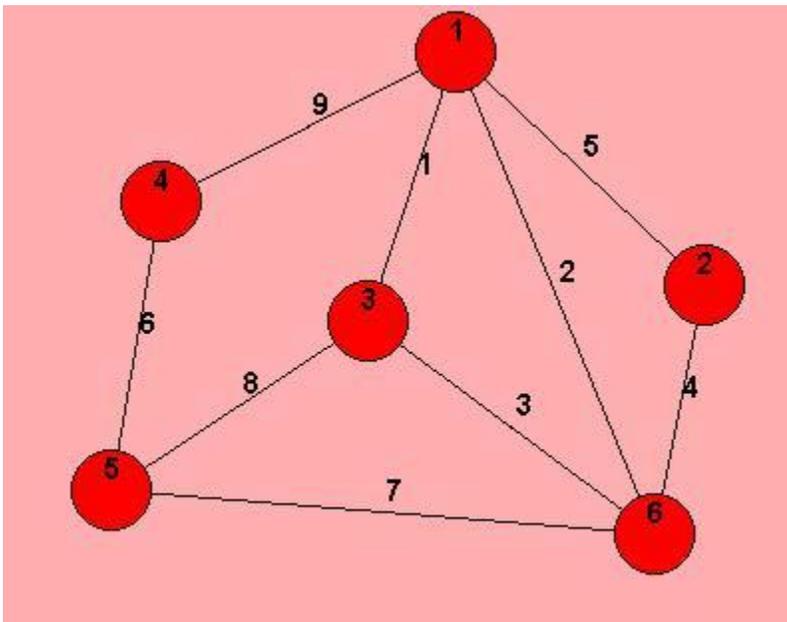


Name: \_\_\_\_\_

Section: \_\_\_\_\_

### Quiz #7

1. What is the name of the algorithm demonstrated in class that solves the Minimal Spanning Tree problem?
2. **Clearly** shade in the minimal spanning tree for graph below.



**[MORE QUESTIONS ON BACK PAGE]**

**3. For bubble sort:**

- a. What is the average case running time (use big-O notation)?
- b. What is the worst case running time (use big-O notation)?
- c. Is it stable?
- d. Is it in-place?

**4. For tree sort:**

- a. What is the average case running time (use big-O notation)?
- b. What is the worst case running time (use big-O notation)?
- c. Is it stable?
- d. Is it in-place?

**5. For quick sort:**

- a. What is the average case running time (use big-O notation)?
- b. What is the worst case running time (use big-O notation)?
- c. Is it stable?
- d. Is it in-place?