**6.1 Adding Displacement Vectors**

**Practice set 1:**

1. The total displacement is 5 meters east and 5 meters north.

2. The total displacement is 2 meters east and 2 meters south.

3. The total displacement is zero. Total distance traveled is

40 meters.

**Practice set 2:**

1. x*R* = (1, –5)m

2. x*R* = (3, 3)m; diagram at right:

3. x*R* = (5, 5)m

4. x*R* = (6, 2)m

5. x*R* = (2, 0)m

