**Drawing Vectors - Independent Practice Worksheet**

Draw the indicated vector and show the components into which it is resolved.

1. A pendulum is launched with a speed of 150 m/s at 70° west of south.

2. Sam has to go to his local University. He started from his house, which lies 5 km to the northwest at 75°.

3. Last week, we went for a picnic. The picnic spot is 7 km away at 10° southwest.

4. Suzy runs 500 meters at 35° degrees northwest.

5. Bobby turned his boat at 150° to west of north and sailed 14 km.

**Draw the indicated vector and show the components into which it is resolved. Calculate (after estimating) all answers.**

6. Andrew and Angel have to go to their dance classes. They started from their home. They travelled 900 meters southwest at 25° to go to class.

7. Every weekend, Polar goes to the school for swimming practice. The school is at 35° southwest from his location. He walks at least 4 km.

8. Fatima wanted to buy some crockery so she went to a crockery shop. She started from her house, and the crockery shop lies 6 km in the southeasterly direction at 80° from her house.

9. Salami went for an interview to a new office. The office is at 40° south east and 2.5km far from her home.

10. The helicopter is taking off from the landing area. It proceeds 10 km at 50° southwest.