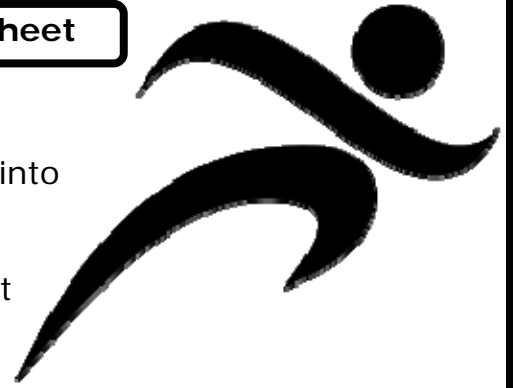


Name \_\_\_\_\_

Date \_\_\_\_\_

## 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  $70^\circ$  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  $75^\circ$ .
3. Last week, we went for a picnic. The picnic spot is 7 km away at  $10^\circ$  southwest.
4. Suzy runs 500 meters at  $35^\circ$  degrees northwest.
5. Bobby turned his boat at  $150^\circ$  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  $25^\circ$  to go to class.
7. Every weekend, Polar goes to the school for swimming practice. The school is at  $35^\circ$  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  $80^\circ$  from her house.
9. Salami went for an interview to a new office. The office is at  $40^\circ$  south east and 2.5km far from her home.
10. The helicopter is taking off from the landing area. It proceeds 10 km at  $50^\circ$  southwest.