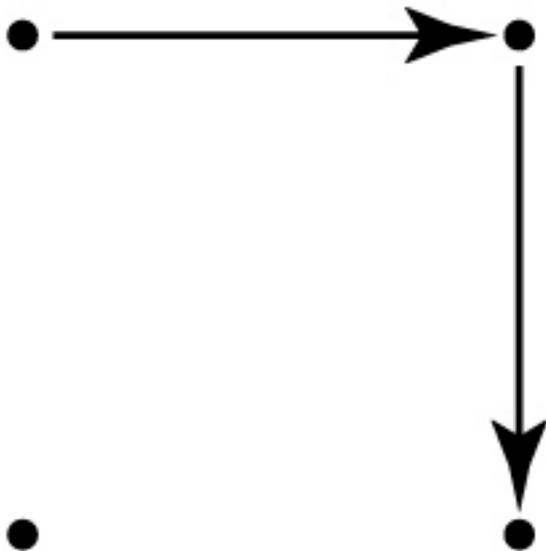


1. For one hour, you travel east in your car covering 100 km .Then travel south 100 km in 2 hours. You would tell your friends that your average speed was

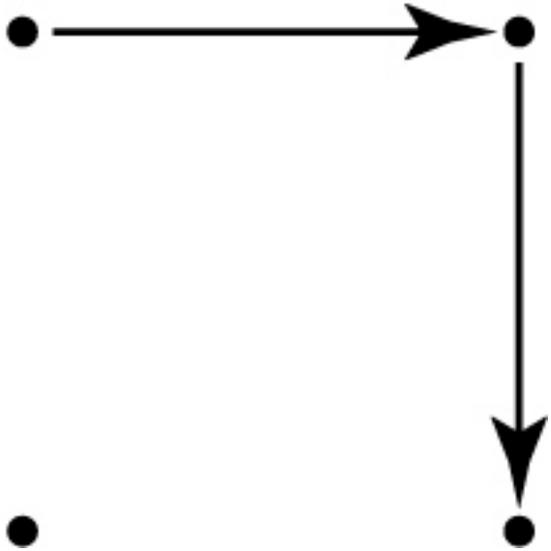
**Start**



- A. 47 km/hr
- B. 67 km/hr
- C. 75 km/hr
- D. 141 km/hr
- E. 200 km/hr

2. For one hour, you travel east in your car covering 100 km .Then travel south 100 km in 2 hours. You would tell your friends that your average **velocity** was

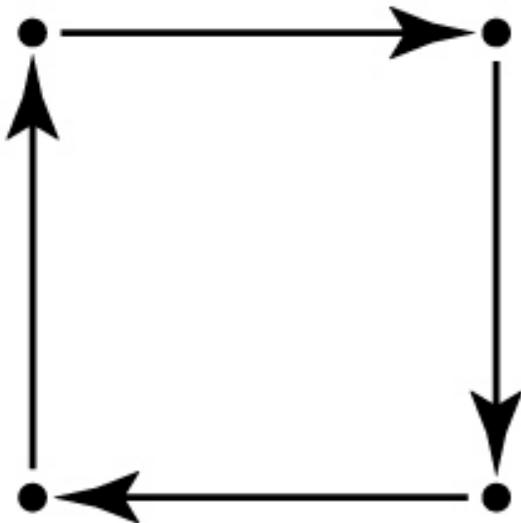
**Start**



- A. 47 km/hr
- B. 67 km/hr
- C. 75 km/hr
- D. 141 km/hr
- E. 200 km/hr

3. You have already traveled east in your car 100 km in 1 hr and then south 100 km in 2 hrs. To get back home, you then drive west 100 km for 3 hours and then go north 100 km in 4 hours. You would say your average **velocity** for the total trip was

**Start**



A. 20 km/hr

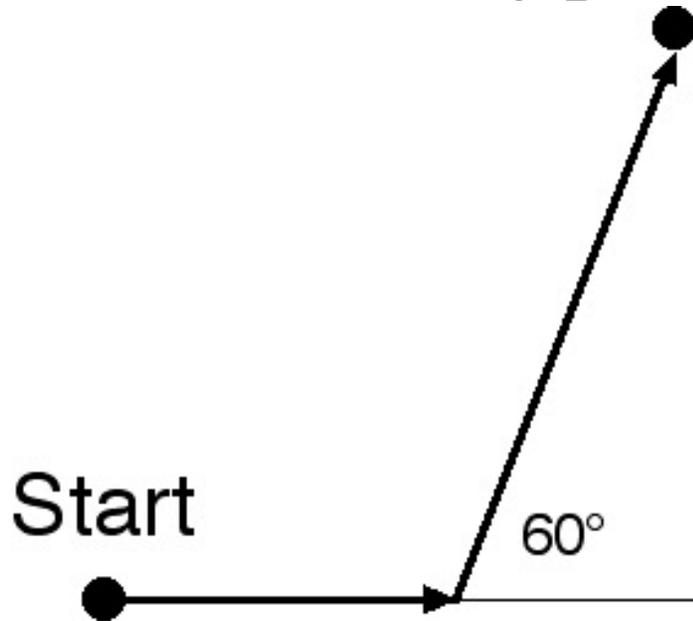
B. 40 km/hr

C. 60 km/hr

D. 100 km/hr

E. None of the above

4. You fly east in an airplane for 100 km. You then turn left 60 degrees and travel 200 km. How far **east** of the starting point are you? (approximately)



A. 100 km

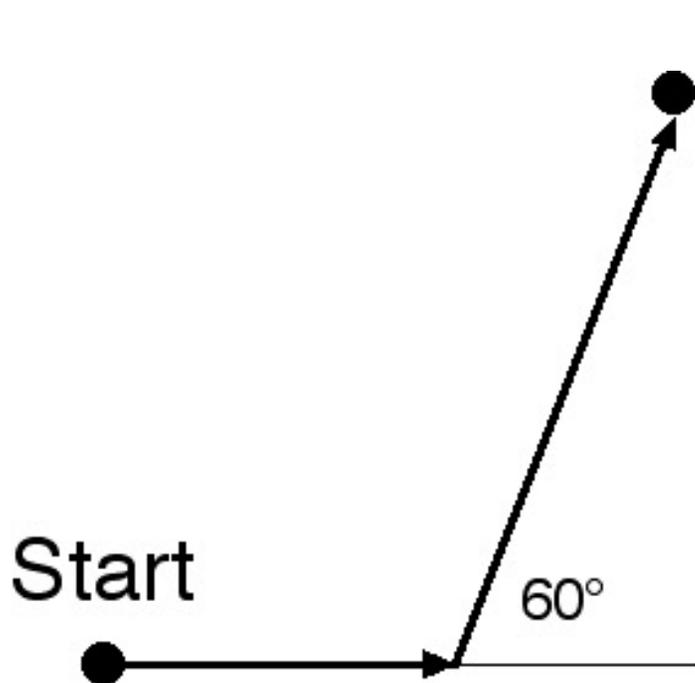
B. 150 km

C. 200 km

D. 300 km

E. none of the above

5. You fly east in an airplane for 100 km. You then turn left 60 degrees and fly 200 km. How far **north** of the starting point are you? (approximately)



A. 100 km

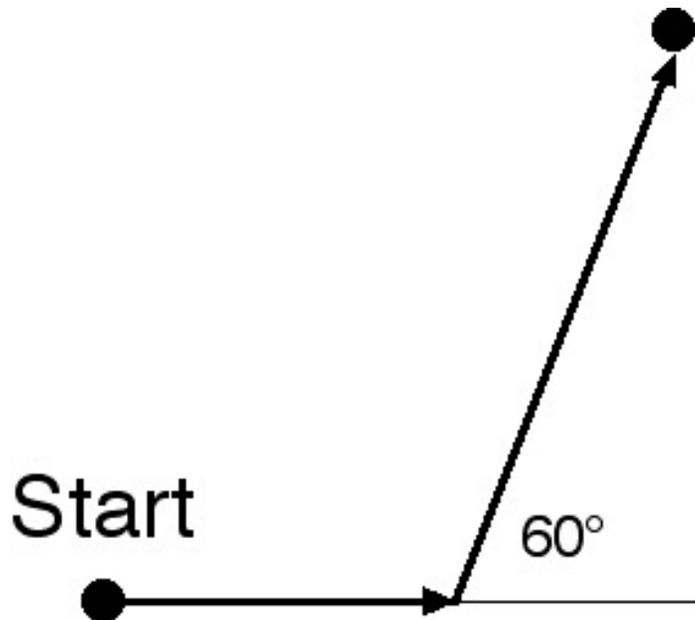
B. 130 km

C. 170 km

D. 200 km

E. none of the above

6. You fly east in an airplane for 100 km. You then turn left 60 degrees and fly 200 km. How far **from** the starting point are you? (approximately)



A. 170 km

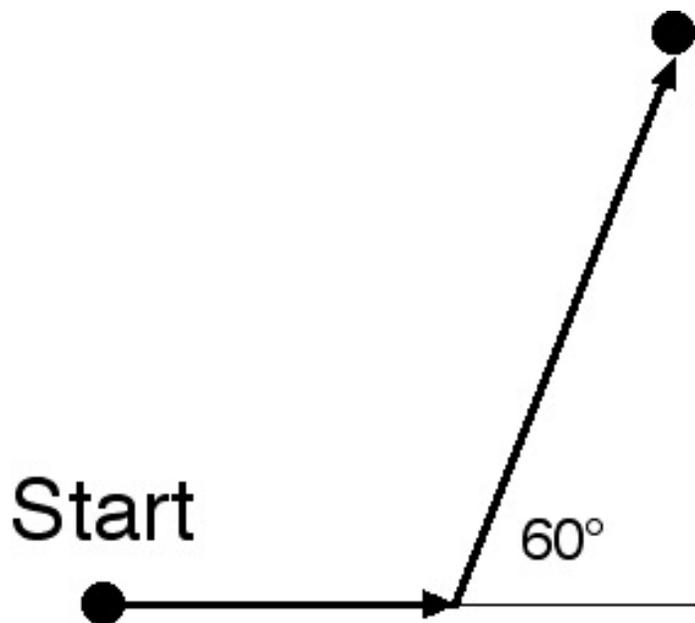
B. 200 km

C. 260 km

D. 300 km

E. 370 km

7. You fly east in an airplane for 100 km. You then turn left 60 degrees and fly 200 km. In what **direction** are you from the starting point?



- A. South of west
- B. Directly southwest
- C. Directly northeast
- D. North of east
- E. None of the above