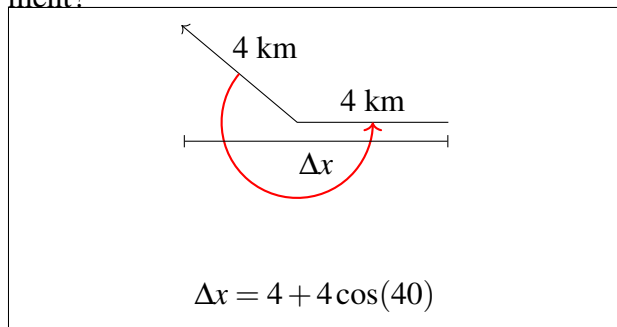


## Chapter 3

### Problems

**13.** A wildlife researcher is tracking a flock of geese. The geese fly 4.0 km due west, then turn toward the north by  $40^\circ$  and fly another 4.0 km. How far west are they of their initial position? What is the magnitude of their displacement?



## Chapter 4

### Questions

### Problems