**Story Problems** NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For each of the following….**

1. **Sketch a picture/diagram of the situation.**
2. **Solve the problem.**
3. To get from point A to point B you must avoid walking through a pond.  To avoid the pond, you must walk 34 meters south and 41 meters east.  To the *nearest* *meter*, how many meters would be saved if it were possible to walk through the pond?
4. A suitcase measures 24 inches long and 18 inches high.  What is the diagonal length of the suitcase to the *nearest tenth* of a foot?
5. In a computer catalog, a computer monitor is listed as being 19 inches.  This distance is the diagonal distance across the screen.  If the screen measures 10 inches in height, what is the actual width of the screen to the *nearest inch*?
6. Two joggers run 8 miles north and then 5 miles west.  What is the shortest distance, to the *nearest tenth* of a mile, they must travel to return to their starting point?
7. Seth made a small rectangular table for his workroom.  The sides of the table are 36" and 18".  If the diagonal of the table measures 43", is the table square?  A table which is "square" has right angles at the corners.
8. Tanya runs diagonally across a rectangular field that has a length of 40 yards and a width of 30 yards. What is the length of the diagonal, in yards, that Tanya runs?
9. A helicopter rose vertically 300 feet and then flew 400 feet. How far is the helicopter from its starting point?
10. Joe is purchasing fencing for the perimeter of his rectangular garden. The garden is pictured in the diagram below. If the fencing costs $8 per foot. How much will the fencing cost?

15 ft.

12 ft.

12 ft.