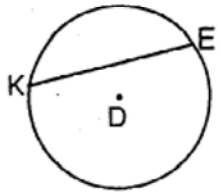
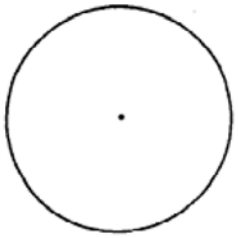
Chords (con't)

5. Chord $\overline{KE}$ is 8 mm long. The diameter of circle D is 10 mm. Find the distance from $\overline{KE}$ to D.



6. Find the length of a chord that is 8 cm from the center of a circle with a radius of 17 cm.



7. Three baseball diamonds are located such that the distance between each diamond is equal. The snack bar is centrally located between all three diamonds and is 100m from each. What is the distance from the snack bar to the path connecting two consecutive diamonds? What is the distance between each diamond?

Scrambled answers: 173, 30, 50, 3