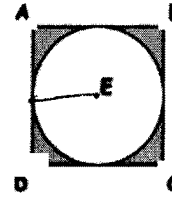
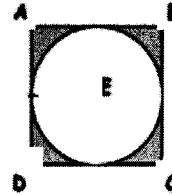


1. Circle E is inscribed in square ABCD. If the length of segment AB is 17 inches, how many square inches are in the area of the shaded region? Express your answer to the nearest tenth.




2. Circle E is inscribed in square ABCD. If the length of segment AB is 16 inches, how many square inches are in the area of the shaded region? Express your answer to the nearest tenth.




3. Three interior angles of a pentagon have measures 35, 11 and 44. If the measures of the remaining 2 angles are equal, what is the measure, to the nearest degree, of one of the remaining angles?

4. Four interior angles of a hexagon have measures 33, 61, 20 and 40. If the measures of the remaining 2 angles are equal, what is the measure, in degrees, of one of the remaining angles?

5. Four interior angles of a hexagon have measures 33, 60, 23 and 30. If the measures of the remaining angles are equal, what is the measure, to the nearest degree, of one of the remaining angles?

6. Three interior angles of a octagon have measures 25, 50 and 5. If the measures of the remaining angles are equal, what is the measure, in degrees, of one of the remaining angles?