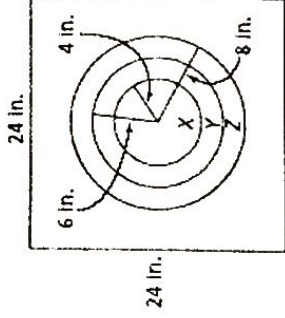


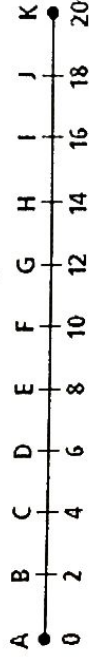
**Practice 10-8** ..... **Geometric Probability**

**Use the dartboard at the right for Exercises 1-3.**

1. If a dart hits the board, find the probability that it will land in region X.
2. If a dart hits the board, find the probability that it will land in region Y.
3. If a dart hits the board, find the probability that it will land in region Z.



**Find the probability that a point chosen at random from  $\overline{AK}$  is on the given segment.**



- |                    |                    |
|--------------------|--------------------|
| 4. $\overline{CF}$ | 5. $\overline{BI}$ |
| 7. $\overline{FG}$ | 8. $\overline{AK}$ |
|                    | 6. $\overline{GK}$ |
|                    | 9. $\overline{AC}$ |

10. The state of Connecticut is approximated by a rectangle 100 mi by 50 mi. Hartford is approximately at the center of Connecticut. If a meteor hit the earth within 200 mi of Hartford, find the probability that the meteor landed in Connecticut.

Also complete.... Pg. 591 # 26-36

- 26.
- 27.
- 28.
- 29.
- 30.
- 31.
- 32.
- 33.
- 34.
- 35.
- 36.