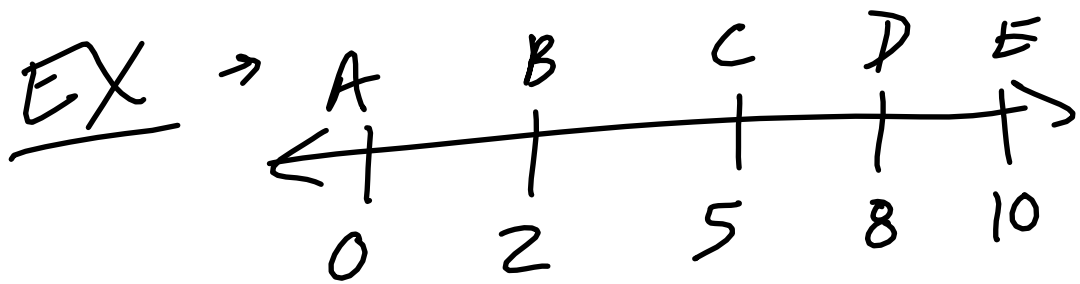


Geometric Probability



$$P(CD) = \frac{3}{10}$$

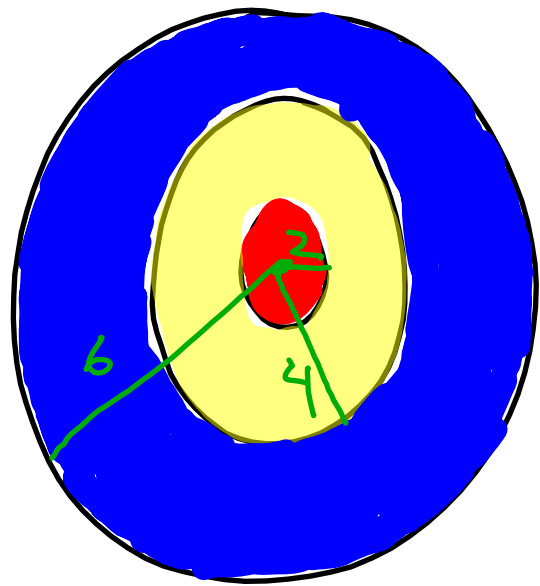
$$P(AB) = \frac{2}{10} = \frac{1}{5}$$

$$P(BE) = \frac{8}{10} = \frac{4}{5}$$

$$P(BD) = \frac{6}{10} = \frac{3}{5}$$

concentric → same center

EX →



$$A = 36\pi$$

$$P(\text{red}) = \frac{4\pi}{36\pi} = \frac{4}{36} = \frac{1}{9}$$

$$P(\text{yellow}) = \frac{16\pi - 4\pi}{36\pi} = \frac{12\pi}{36\pi} = \frac{12}{36} = \frac{1}{3}$$

$$P(\text{blue}) = \frac{36\pi - 16\pi}{36\pi} = \frac{20\pi}{36\pi} = \frac{20}{36} = \frac{5}{9}$$

HW : p. 671 → 8-24 even, 30, 43, 46