2 KINGS

1. $P(E) = 0.5 \qquad P(F) = 0.3$

$$P(E \text{ AND } F) = P(E) \cdot P(F)$$
$$= (0.5)(0.3)$$
$$= \boxed{0.15}$$

2. $P(\text{FIVE ON A DIE AND HEADS ON COIN})$

$$= \frac{1}{6} \cdot \frac{1}{2}$$
$$= \frac{1}{12}$$

3. $P(4 \text{ PEOPLE DIE FROM CANCER})$

$$= (0.23)(0.23)(0.23)(0.23)$$
$$= (0.23)^4$$
$$= \boxed{.0028}$$

4. $P(3 \text{ KINGS})$

$$= \frac{4}{52} \cdot \frac{4}{52} \cdot \frac{4}{52}$$
$$= 4.5517 \text{ E } -4$$
$$= .0004\,5517$$
$$= \boxed{.0005}$$