

## Bayes's Theorem

Finite Math  
Section 9.4

## Bayes's Theorem

$$P(A|B) = \frac{P(A) \cdot P(B|A)}{P(A) \cdot P(B|A) + P(A') \cdot P(B|A')}$$

**You use Baye's them when you need to work from RIGHT to LEFT in your tree diagram.**