

## Section 15-6: The Probability of (Not A)

1. 080604a, P.I. A.S.20

The faces of a cube are numbered from 1 to 6.  
What is the probability of *not* rolling a 5 on a single toss of this cube?

[A]  $\frac{1}{5}$       [B]  $\frac{1}{6}$       [C]  $\frac{5}{6}$       [D]  $\frac{4}{5}$

2. 060202a, P.I. A.S.20

If the probability that it will rain on Thursday is  $\frac{5}{6}$ , what is the probability that it will *not* rain on Thursday?

[A] 1      [B]  $\frac{5}{6}$       [C] 0      [D]  $\frac{1}{6}$

3. 010805a, P.I. A.S.20

A box contains 6 dimes, 8 nickels, 12 pennies, and 3 quarters. What is the probability that a coin drawn at random is *not* a dime?

[A]  $\frac{8}{29}$       [B]  $\frac{6}{29}$       [C]  $\frac{23}{29}$       [D]  $\frac{12}{29}$

4. 010017a, P.I. A.S.20

The party registration of the voters in Jonesville is shown in the table below.

Registered Voters in Jonesville	
Party Registration	Number of Voters Registered
Democrat	6,000
Republican	5,300
Independent	3,700

If one of the registered Jonesville voters is selected at random, what is the probability that the person selected is *not* a Democrat?

[A] 0.600      [B] 0.667  
[C] 0.333      [D] 0.400

[1] C

[2] D

[3] C

[4] A