Name: **Date:**

1

Mary chooses an integer at random from 1 to 6. What is the probability that the integer she chooses is a prime number?

(1) $\frac{5}{6}$ (3) $\frac{2}{6}$

(2) $\frac{3}{6}$ (4) $\frac{4}{6}$

2

The probability that a planted watermelon seed will sprout is $\frac{3}{4}$. If Peyton plants seven seeds from a slice of watermelon, find, to the *nearest ten thousandth*, the probability that *at least* five will sprout.