A pair of fair dice is rolled. The numbers displayed on the top face of each die is noted. What is the probability that

- the sum of the numbers is seven?

- the first die is even?

- the dice display the same number?

A pair of fair dice is rolled. The numbers displayed on the top face of each die is noted. What is the probability that

- the product of the numbers is even?

- the sum of the numbers is odd?

- only one die displays a two?

A pair of fair dice is rolled. The numbers displayed on the top face of each die is noted. What is the probability that

- the first die displays an even number given the sum is odd?

- the sum is odd given the first die displays an even number?

- the sum is one?

- the sum is no more than twelve?

A pair of fair dice is rolled. The numbers displayed on the top face of each die is noted. What is the probability that

- the first die displays a six and the second die displays an odd number?

- the product of the numbers is a perfect square?

- the sum is eight given the first die displays a two?

A pair of fair dice is rolled. The numbers displayed on the top face of each die is noted. What is the probability that

- the sum is seven or nine?

- the sum is at least eight?

- the sum is not twelve?