Preparation for Factoring

In this worksheet, you will answer riddle-like questions that will prepare you for the process of factoring monic binomials.

Instructions: Each question below describes the properties of two numbers. Use the given information to determine what the two numbers are.

1. The sum is 5 and the product is 6.
   \[2 \text{ and } 3\]

2. The sum is 6 and the product is 5.
   \[5 \text{ and } 1\]

3. The sum is 7 and the product is 10.
   \[2 \text{ and } 5\]

4. The sum is 10 and the product is 25.
   \[5 \text{ and } 5\]

5. The sum is -4 and the product is 3.
   \[-1 \text{ and } -3\]

6. The sum is -5 and the product is 6.
   \[-2 \text{ and } -3\]
7 The sum is -6 and the product is 8.
   -2 and -4

8 The sum is 1 and the product is -6.
   -2 and 3

9 The sum is -1 and the product is -6.
   -3 and 2

10 The sum is 2 and the product is -35.
    7 and -5

11 The sum is 0 and the product is -9.
   3 and -3

12 The sum is 0 and the product is -16.
   4 and -4

13 The sum is 10 and the product is 21.
    7 and 3

14 The sum is -11 and the product is 24.
    -8 and -3

15 The sum is -8 and the product is -9.
    -9 and 1