Name

# Algebraic Functions - Terms that Add To M and Multiply to N

**1** Which pair of integers have the sum and product shown?

$$a + b = 7$$
$$a \times b = 6$$

| A | B | C |
|---|---|---|
| 7, -3 | 6, 1 | 3, -1 |
| **D** | **E** | **F** |
| 10, 4 | 3, 0 | 7, -2 |

**2** Which pair of integers have the sum and product shown?

$$a + b = 6$$
$$a \times b = 0$$

| A | B |
|---|---|
| 10, -5 | 7, 1 |
| **C** | **D** |
| 6, 0 | 1, -1 |
| **E** | **F** |
| 8, -5 | 7, -1 |

**3** Which pair of integers have the sum and product shown?

$$a + b = 12$$
$$a \times b = 36$$

| A | B | C |
|---|---|---|
| 6, 6 | 1, 1 | 2, 2 |
| **D** | **E** | **F** |
| 7, 7 | 6, 1 | 3, 3 |

**4** Which pair of integers have the sum and product shown?

$$a + b = 10$$
$$a \times b = 25$$

| A | B | C |
|---|---|---|
| 1, 1 | 8, 1 | 5, 1 |
| **D** | **E** | **F** |
| 5, 5 | 9, 2 | 9, 6 |

**5** Which pair of integers have the sum and product shown?

$$a + b = 5$$
$$a \times b = 0$$

| A | B | C |
|---|---|---|
| 0, 5 | -3, 0 | -1, 7 |
| **D** | **E** | **F** |
| 2, 3 | -5, 3 | 2, 8 |

**6** Which pair of integers have the sum and product shown?

$$a + b = 10$$
$$a \times b = 9$$

| A | B |
|---|---|
| -1, 4 | 1, 9 |
| **C** | **D** |
| -3, 7 | -2, 13 |
| **E** | **F** |
| 0, 9 | 2, 12 |

**7** Which pair of integers have the sum and product shown?

$$a + b = 9$$
$$a \times b = 14$$

| A | B | C |
|---|---|---|
| 2, 7 | 3, 8 | -1, 5 |
| **D** | **E** | **F** |
| 1, 11 | -3, 4 | 6, 6 |

**8** Which pair of integers have the sum and product shown?

$$a + b = 18$$
$$a \times b = 81$$

| A | B | C |
|---|---|---|
| 9, 9 | 4, 12 | 6, 12 |
| **D** | **E** | **F** |
| 9, 4 | 6, 13 | 11, 8 |