Math worksheet on *'Algebraic Functions - Terms that Add To M and Multiply to N - with Negatives (Level 1)'*. Part of a broader unit on *'Algebra Manipulating Variables - Advanced'*

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

$$a + b = -4$$
$$a \times b = -5$$

a 1, -5	**b** -3, -9
c 4, -7	**d** 1, -9
e 1, -7	**f** -3, -2

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

$$a + b = 2$$
$$a \times b = 1$$

a 4, -4	**b** 1, 3	**c** 1, 1
d -3, 4	**e** 3, 3	**f** 3, 0

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

$$a + b = -1$$
$$a \times b = 0$$

a 0, 3	**b** -4, 0
c -3, -4	**d** 3, -3
e -1, 2	**f** 0, -1

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

$$a + b = 11$$
$$a \times b = 24$$

a 4, 5	**b** 3, 8	**c** -1, 6
d 5, 10	**e** 1, 11	**f** 2, 8

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

$$a + b = -5$$
$$a \times b = -36$$

a -10, 1	**b** -8, 7
c -6, 7	**d** -9, 4
e -9, -1	**f** -6, 5

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

$$a + b = 0$$
$$a \times b = -49$$

a -7, 10	**b** -7, 4
c -7, 7	**d** -3, 11
e -8, 9	**f** -3, 6

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

$$a + b = -11$$
$$a \times b = 30$$

a -4, -6	**b** -8, -4
c -9, -5	**d** -2, -5
e -5, -6	**f** -9, -4