```python
from itertools import combinations

def find_subsets_with_sum_zero(nums):
    subsets = []
    for subset in combinations(nums, 5):
        if sum(subset) == 0:
            subsets.append(subset)
    return subsets

# Set of numbers
nums = [-12, -3, -6, 7, 2, -2, 6, 3, 9, -7, -5, -8, 1, 11, -9, -4]

# Find subsets with sum zero
result = find_subsets_with_sum_zero(nums)

# Print the subsets
for subset in result:
    print(subset)
```

```
(-12, -3, 7, 2, 6)
(-12, -3, -2, 6, 11)
(-12, -3, 3, 1, 11)
(-12, -3, 9, -5, 11)
(-12, -6, 7, 2, 9)
(-12, -6, -2, 9, 11)
(-12, -6, 6, 3, 9)
(-12, -6, 6, 1, 11)
(-12, 7, 2, -8, 11)
(-12, 7, -2, 6, 1)
(-12, 7, -2, 11, -4)
(-12, 7, 6, 3, -4)
(-12, 7, 3, 9, -7)
(-12, 7, 3, 11, -9)
(-12, 7, 9, -5, 1)
(-12, 7, -7, 1, 11)
(-12, 2, -2, 3, 9)
(-12, 2, -2, 1, 11)
(-12, 2, 6, 3, 1)
(-12, 2, 6, 9, -5)
(-12, 2, 6, -7, 11)
(-12, 2, 3, 11, -4)
(-12, 6, 3, -8, 11)
(-12, 6, 9, 1, -4)
(-12, 9, 1, 11, -9)
(-3, -6, 7, 6, -4)
(-3, -6, 7, 9, -7)
(-3, -6, 7, 11, -9)
(-3, -6, 2, -2, 9)
(-3, -6, 2, 6, 1)
(-3, -6, 2, 11, -4)
(-3, -6, 6, -8, 11)
(-3, -6, 3, -5, 11)
(-3, 7, 2, -2, -4)
(-3, 7, 2, 3, -9)
(-3, 7, 2, -7, 1)
(-3, 7, -2, 6, -8)
(-3, 7, -2, 3, -5)
(-3, 7, 3, -8, 1)
(-3, 7, 9, -5, -8)
(-3, 7, 9, -9, -4)
(-3, 7, -7, -8, 11)
(-3, 2, -2, -8, 11)
(-3, 2, 6, 3, -8)
(-3, 2, 9, 1, -9)
(-3, -2, 6, 3, -4)
(-3, -2, 3, 9, -7)
(-3, -2, 3, 11, -9)
(-3, -2, 9, -5, 1)
(-3, -2, -7, 1, 11)
(-3, 6, 3, -7, 1)
(-3, 6, 9, -7, -5)
(-3, 6, 9, -8, -4)
(-3, 6, -5, 11, -9)
(-3, 3, 9, -5, -4)
(-3, 3, -7, 11, -4)
(-3, 9, -8, 11, -9)
(-3, -5, 1, 11, -4)
(-6, 7, 2, 6, -9)
(-6, 7, 2, 1, -4)
(-6, 7, -2, 6, -5)
(-6, 7, -2, 9, -8)
(-6, 7, 6, -8, 1)
```

```
(-6, 7, 3, -5, 1)
(-6, 7, -7, -5, 11)
(-6, 7, -8, 11, -4)
(-6, 2, -2, -5, 11)
(-6, 2, 6, 3, -5)
(-6, 2, 3, 9, -8)
(-6, 2, -8, 1, 11)
(-6, -2, 6, 9, -7)
(-6, -2, 6, 11, -9)
(-6, -2, 3, 9, -4)
(-6, -2, 1, 11, -4)
(-6, 6, 3, 1, -4)
(-6, 6, 9, -5, -4)
(-6, 6, -7, 11, -4)
(-6, 3, 9, -7, 1)
(-6, 3, 1, 11, -9)
(-6, 9, -5, 11, -9)
(7, 2, -2, -8, 1)
(7, 2, 6, -7, -8)
(7, 2, 3, -7, -5)
(7, 2, 3, -8, -4)
(7, -2, 6, -7, -4)
(7, -2, 3, 1, -9)
(7, -2, 9, -5, -9)
(7, -2, -7, 11, -9)
(7, 6, 3, -7, -9)
(7, 6, -5, 1, -9)
(7, 3, -7, 1, -4)
(7, 9, -7, -5, -4)
(7, 9, -8, 1, -9)
(7, -5, 11, -9, -4)
(2, -2, 6, 3, -9)
(2, -2, 6, -7, 1)
(2, -2, 3, 1, -4)
(2, -2, 9, -5, -4)
(2, -2, -7, 11, -4)
(2, 6, 3, -7, -4)
(2, 6, 9, -8, -9)
(2, 6, -5, 1, -4)
(2, 3, 9, -5, -9)
(2, 3, -7, 11, -9)
(2, 9, -7, -5, 1)
(2, 9, -8, 1, -4)
(2, -5, 1, 11, -9)
(-2, 6, 3, -8, 1)
(-2, 6, 9, -5, -8)
(-2, 6, 9, -9, -4)
(-2, 6, -7, -8, 11)
(-2, 3, -7, -5, 11)
(-2, 3, -8, 11, -4)
(6, 9, -7, 1, -9)
(6, -5, -8, 11, -4)
(3, 9, -5, -8, 1)
(3, 9, 1, -9, -4)
(3, -7, -8, 1, 11)
(9, -7, -5, -8, 11)
(9, -7, 11, -9, -4)
```

In [ ]: