Name_____

Solve the problem.

1) The sum of two numbers is 7. Three times the first number equals 4 times the second number. Find the two numbers.

2) The sum of two numbers is –6. Five times the first number equals 4 times the second number. Find the two numbers.

3) The sum of two numbers is –6. Four times the first number equals 3 times the second number. Find the two numbers.

4) The sum of two numbers is 4. Five times the first number equals 4 times the second number. Find the two numbers.

5) Two numbers total –6, and their difference is 4. Find the two numbers.

6) Two numbers total 0, and their difference is 18. Find the two numbers.

7) Two numbers total –14, and their difference is 6. Find the two numbers.

8) Two numbers total –14, and their difference is 4. Find the two numbers.

9) One number is four more than a second number. Two times the first number is 12 more than four times the second number.

10) One number is four more than a second number. Two times the first number is 8 more than four times the second number.

11) One number is four more than a second number. Two times the first number is 2 more than four times the second number.

12) One number is four more than a second number. Two times the first number is 10 more than four times the second number.

13) The sum of two numbers is 7. Four times the first number equals 2 times the second number. Find the two numbers.

14) One number is four more than a second number. Two times the first number is 4 more than four times the second number.

15) Two numbers total –2, and their difference is 14. Find the two numbers.

16) Two numbers total 4, and their difference is 16. Find the two numbers.

1) 4 and 3

2) $-\dfrac{8}{3}$ and $-\dfrac{10}{3}$

3) $-\dfrac{18}{7}$ and $-\dfrac{24}{7}$

4) $\dfrac{16}{9}$ and $\dfrac{20}{9}$

5) – 1 and – 5
6) 9 and – 9
7) – 4 and – 10
8) – 5 and – 9
9) 2 and – 2
10) 4 and 0
11) 7 and 3
12) 3 and – 1

13) $\dfrac{7}{3}$ and $\dfrac{14}{3}$

14) 6 and 2
15) 6 and – 8
16) 10 and – 6