

**East Los Angeles College**  
**Department of Mathematics**

**Math 245**  
**Practice Test 1**

Solve the following equations for x

1.  $-3x + 4 = -11$

2.  $5(x - 6) = 12$

3.  $\frac{x}{8} + 5 = -3$

4.  $-4x + 5 = 2(x - 3)$

5.  $2x + \frac{1}{3} = \frac{1}{4}$

6.  $\frac{x}{3} = \frac{3}{4}$

7.  $x^2 - 11x + 30 = 0$

8.  $2x^2 + 17x = -30$

9.  $2x^2 = 5x + 12$

10.  $(x - 1)(5x + 4) = 2$

11.  $x^2 - 25 = 0$

12.  $x^2 - 81 = 0$

13.  $x^2 + 9 = 0$

14.  $x^2 + 16 = 0$

15.  $x^2 + 18 = 0$

16.  $x^2 - 24 = 0$

17.  $3x^2 - 5 = 7$

18.  $-4x^2 + 1 = 9$

19.  $(x + 6)^2 = 49$

20.  $(x - 4)^2 = -36$

21.  $x^2 - 2x + 7 = 0$

22.  $x^2 + x + 2 = 0$

23.  $3x^2 - x - 6 = 0$

24.  $4x^2 + 3x + 1 = 0$

25.  $2x^2 + x - 3 = 0$

26. What is your name?

Answer Sheet

|    |  |    |  |
|----|--|----|--|
| 1  |  | 14 |  |
| 2  |  | 15 |  |
| 3  |  | 16 |  |
| 4  |  | 17 |  |
| 5  |  | 18 |  |
| 6  |  | 19 |  |
| 7  |  | 20 |  |
| 8  |  | 21 |  |
| 9  |  | 22 |  |
| 10 |  | 23 |  |
| 11 |  | 24 |  |
| 12 |  | 25 |  |
| 13 |  | 26 |  |