

Name: _____

Date: _____

Algebra Practice Problems - ANSWERS

1) $5(3x + 2) = 10$ **answer:** $x = 0$

2) $-2(-3x + 2) = 26$ **answer:** $x = 5$

3) $-3(-4x + 7) = 39$ **answer:** $x = 5$

4) $7(4x + 2) = -182$ **answer:** $x = -7$

5) $7(-9 - x) = -42$ **answer:** $x = -3$

6) $2(-1x + 4) = -10$ **answer:** $x = 9$

7) $3(5x - 8) = 36$ **answer:** $x = 4$

8) $5(8 + 4x) = 240$ **answer:** $x = 10$

9) $-6(7x + 7) = -504$ **answer:** $x = 11$

10) $2(3x + 9) = 42$ **answer:** $x = 4$

11) $-5(4 - 2x) = -50$ **answer:** $x = -3$

12) $4(9 + 6x) = 276$ **answer:** $x = 10$

13) $-5(-2x - 8) = 110$ **answer:** $x = 7$

14) $-7(7x + 7) = 49$ **answer:** $x = -2$

15) $-5(-9 + 7x) = -340$ **answer:** $x = 11$

16) $6(7 - 6x) = 258$ **answer:** $x = -6$

17) $6(6 - 7x) = 372$ **answer:** $x = -8$

18) $7(10 - 4x) = 350$ **answer:** $x = -10$

19) $7(-3x + 4) = 28$ **answer:** $x = 0$

20) $5(4x + 5) = -55$ **answer:** $x = -4$