

Algebra II Pre-AP HW # 2

For #'s 1-12, Simplify.

1. $10 - 3 + 7 =$	2. $-1 - 1 - 1 =$
3. $5^0 - 5 =$	4. $8 \div 4 \times 2 =$
5. $6 + 2 \times 2 - 8 \div 2 + 2 =$	6. $3^2 - 6 - 4 + 1 =$
7. $4 - 2(x - 1) =$	8. $2x - [1 + x - (x - 1) + 2x] =$
9. $\sqrt{27}$	10. $5\sqrt{25}$
11. $5\sqrt{50}$	12. $\sqrt{9x}$

For #'s 13-20, Solve for x

13. $2(x - 5) = 5$	14. $\frac{5}{7}(x - 1) = 15$
15. $6x - 2(x + 1) = -8$	16. $\frac{2}{3}(5x + 1) - 4 = 2\left(\frac{3}{5}x - 1\right)$
17. $x(x + 2) = 0$	18. $3(2x - 12) + 5x = 9x - 25$
19. $ x = 2$	20. $- x - 1 = -1$