

Name: _____ Algebra 1 Honors Equations/Expressions 26 pts

Solve each equation. Show all of your work in an organized manner. (2 points each)

1. $4y - 3 = 17$

2. $\frac{2z}{3} - 6 = -9$

3. $-4(5x + 2) + 34x = 32$

4. $-\frac{7}{3}(3x - 2) = -14$

5. $-3(x - 4) + 2 = 7 - (x + 1)$

6. $\frac{1}{3}(9x + 3) = 2x + 1$

7. $2(3x - 2) = 6(x + 1) - 8$

8. $\frac{1}{4}(9 - 2x) = \frac{1}{8}(3x - 3)$

Simplify. Show all of your work in an organized manner. (2 points each)

9. $7 - (-8 + 12)$

10. $(3 - 4) - (5 - 9)$

11. $7 + [-3 - (3 - 6)]$

12. $10 \div -\frac{1}{2}$

13. $-2(-4)^2$