Algebra 1 Summer Packet Solutions

1. $64 + 8 - 0 = \boxed{72}$

2. $8(7) - 2 \cdot 8 \div (2)$

$56 - 16 \div 2$

$56 - 8$

$\boxed{48}$

3. $(8^2 + 9^2) \div 5$

$145 \div 5$

$\boxed{29}$

4. $\boxed{(8+12) \div (4 \cdot 5) = 1}$

5. $\boxed{7}$

6. $\boxed{-149}$

7. $\boxed{-71}$

8. $\boxed{24}$

9. $\boxed{360}$

10. $\boxed{-4 + x}$

11. $\boxed{-211}$

12. $\boxed{3}$

13. $\boxed{-9.79}$

14. $\boxed{-2x - 6}$

15. $6x - 9 - x + 5 = \boxed{5x - 4}$

16. $\frac{27}{5} + \frac{21}{5} = \boxed{\frac{48}{5}}$

17. $\frac{16}{24} + \frac{15}{24} + \frac{20}{24} = \frac{51}{24} \div 3 \boxed{\frac{17}{8}}$

18. $\boxed{2x + 6}$

19. $\frac{27}{3} - \frac{7}{3} = \boxed{\frac{20}{3}}$

20. $\frac{41}{4} - \frac{11}{3} = \frac{123}{12} - \frac{44}{12} = \boxed{\frac{79}{12}}$

21. $\frac{20}{80} = \frac{2}{8} = \boxed{\frac{1}{4}}$

22. $\frac{-16}{9} \div \frac{8}{1} = \frac{-16}{9} \cdot \frac{1}{8} = \frac{16}{72} = \boxed{\frac{-2}{9}}$

23. $\frac{-3}{8} \cdot \frac{4}{3} = \frac{-12}{24} = \boxed{\frac{-1}{2}}$

24. $x + 22 = 104.8$

$-22 \quad -22$

$\boxed{x = 82.8}$

25. $184 - x = 51$

$-184 \quad -184$

$\frac{-x}{-1} = \frac{-133}{-1}$

$\boxed{x = 133}$

26. $x - 6 = 42$

$+6 \quad +6$

$\boxed{x = 48}$