Pre-Algebra Quarantine Assignment #2   Name _____

Class _____

Solve each multi-step equation. Show ALL work… circle your answers.

1. $4(j - 7) = 12$

2. $5(2k + 10) = 40$

3. $7(2p + 3) - 8 = 6p + 29$

4. $7(g - 4) = 3$

5. $3(4c + 5) = 24$

6. $2(a - 1) = 3(a + 1)$

7. $3(x - 3) = 5(1.5 + x)$

8. $2(1.5m + 3) = 3.5m - 1$

9. $a - \frac{5}{10} = 2a - \frac{3}{5}$

10. $2.2x - 5 = 2(1.4x + 3)$

11. $\frac{d}{0.2} = 3d + 2.1$

12. $5n + 3 = 2(n + 2) - 3n$

13. $\frac{2}{3}a + 2 = \frac{1}{3}(4a + 1)$

14. $y - 7 = \frac{1}{4}(y + 2)$

15. $2(g - 7) = 16$

16. $5(x + 2) = 30$

17. $3(2d + 7) = 39$

18. $4(a - 2) = 3(a + 4)$

19. $3(f + 2) + 9 = 13 + 5f$

20. $2(x - 4) = 3(1 + x)$

21. $2n + 5 = 4(n + 2) - n$

22. $4(x + 3) = x$

23. $2(c - 3) = 76$

24. $7(x - 2) = 5(x + 2)$

25. $2(6x + 1) = 4(x - 5) - 2$

26. $4(2b - 6) + 11 = 8b - 13$

27. $6 + 6(2t - 1) = 3 + 12t$

28. $9t - 21 = 3(t - 7) + 6t$

29. $2(s + 11) = 5(s + 2)$

30. $7y - 1 = 2(y + 3) - 2$

31. $2(x - 2) + 3 = 2x - 1$

32. $1 + 2(b + 6) = 5(b - 1)$

33. $8(g - 3) = 24$

34. $5(x + 3) = 25$

35. $8(g - 3) = 24$

36. $3(4k + 14) = 10k - 2(k - 7)$

37. $5c + 9 = -11$

38. $8 - 4p = 20$

39. $c + 5 = 4c - 1$

40. $3(d + 2) = -15$