School786
AN ONLINE SCHOOL

Name: Due Date: Teacher: Parent Sign:

Questions

1. Solve: 3x + 5 > 14

2. Solve: 2x - 7   9

3. Solve: -4x + 2   10

4. Solve: 5 - 2x < 1

5. Solve: 4x - 3   2x + 9

6. Solve: 7x + 2 > 3x + 14

7. Solve: 2(3x - 1) > 8

8. Solve: -3(x + 4)   6

9. Solve: $(\frac{x}{2}) + 3 < 7$

10. Solve: 3(x + 2)   2x + 9

11. Solve: 2(2x - 3) + 4 < 6x - 2

12. Solve: 1   2x + 3 < 11

13. Solve: -3 < 4x - 5   7

14. Solve: 5x - 9 > 2x + 6

15. Solve: -2(x - 3)   10

16. A phone plan costs $20 plus $8 per month. You can pay at most $60. Let m = months. Write and solve the inequality for m.

17. Sam has $45 and earns $15 per hour. He needs at least $120. Let h = hours. Write and solve the inequality for h.

18. A rectangle has width 4 and length L. Its perimeter must be at most 40. Write and solve the inequality for L.

19. You have 40 points and need at least 75 to pass. Let x = additional points needed. Write and solve the inequality for x.

20. You drive m miles per day. After 3 days plus an initial 40 miles, you want the total   300 miles. Write and solve the inequality for m.

21. Solve: (x - 2)/3 + 4   6

22. Solve: 4 - 3(x + 1) < 10

23. Solve: 2(x + 5) - x   3x + 1

24. Solve: 6x + 2 > 4x - 6

25. Solve: -5x + 7   2 - 3x

26. Solve: 3(2x - 4)   6x - 12

27. Solve: 3(x - 1) < 2(x + 4)

28. Solve: -2(2x + 3) > 4

29. Solve: $(\frac{1}{2})$x - 3   2

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30. Solve: $7 - 2x \quad 3x - 8$

31. Solve: $5(x + 1) < 3(2x + 5)$

32. Solve: $(\frac{x}{3}) + 2 > (\frac{x}{6}) + 4$

33. Solve: $8 - (x + 2) \quad 3x$

34. Solve: $-3x + 4 \quad x - 8$

35. Solve: $2(4 - x) < x + 6$

36. Solve: $4x + 9 \quad 2(x + 6)$

37. Solve: $9 - 5x > -6 - x$

38. Solve: $2x - (3x + 4) \quad -6$

39. Solve: $(x - 4)/2 < \frac{x}{3} + 1$

40. Solve: $-4(x - 2) \quad 12$

41. Solve: $3x + 1 > x - 5$

42. Solve: $6 + \frac{x}{4} \quad 9$

43. Solve: $5 - 2(x - 3) > 1$

44. Solve: $2(3 - x) + x \quad 7$

45. Solve: $4(x + 2) - 3x < 9$

46. Solve: $(2x + 3)/5 \quad 1$

47. Solve: $- (3x - 2) < 5$

48. Solve: $7x - (2x + 5) \quad 10$

49. Solve: $2x + 3 \quad 3x - 5$

50. A package weighs 12 kg plus w items each 3 kg. The total must be less than 50 kg. Write and solve the inequality for w.