

Name _____

Chapter 6 Test

Solve each inequality. Then GRAPH the solution set. (4 points each)

23. $x + 6 < 5$

24. $\frac{y}{-2} \leq 3$

25. $\frac{2}{3}a + 6 > 0$

Write an equation for each of the following and solve. (3 points each)

26. Three times Geoff's age plus 3 is Myrka's age. Myrka is 48. What is Geoff's age?

27. In the basketball game, Rachael scored 6 points less than twice the number of points Trina scored. Rachael scored 10 points. How many points did Trina score?

Write an inequality for the following and solve. (3 points)

28. There are 256 vehicles in a car's dealership lot. At least 113 of them are hybrid vehicles. Write and solve an inequality that describes how many vehicles, at most, are not hybrid.