Name_____ Date _____

4.4 Practice A

Solve the inequality. Graph the solution.

1. $3m - 7 < 2$

2. $-13 \leq -5r + 2$

3. $2k + \frac{1}{3} > 1$

4. $4.3 - 1.5c \leq 10$

5. You are renting a moving truck for a day. There is a daily fee of $20 and a charge of $0.75 per mile. Your budget allows a maximum total cost of $65. Write and solve an inequality that represents the number of miles you can drive the truck.

Solve the inequality. Graph the solution.

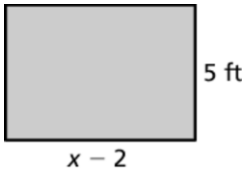
6. $2(b - 4) > -6$

7. $-8(p + 3) \leq 16$

8. $15 \geq \frac{5}{3}(d - 6)$

9. $3.4 < 0.4(a + 12)$

10. Write and solve an inequality that represents the values of x for which the area of the rectangle will be at least 35 square feet.



Solve the inequality. Graph the solution.

11. $3x - 7x + 2 < 10 - 12$

12. $14w - 8w - 5.4 \geq 7.3 - 10$

13. Your weekly base salary is $150. You earn $20 for each cell phone that you sell.

a. What is the minimum amount you can earn in a week?

b. Write and solve an inequality that represents the number of cell phones you must sell to make at least $630 a week.

c. Write and solve an inequality that represents the number of cell phones you must sell to make at least $750 a week.

d. The company policy is that as a part-time employee, the maximum you can earn each week is $950. Write and solve an inequality that represents the number of cell phones you can sell each week.