

34. $p < -3$
Open on -3, to left
35. $z < -5$
Open on -5, to left

Answers for Algebra 1 Assignment 6

HW #30; WS 4-1

1. a&c – yes, b - no
2. b&c – yes; a - no
4. a,b,&c – yes
5. b&c – yes; a – no
11. $x \geq -8$
12. Open circle on 6, line goes to right
13. Closed on -10, to left
15. open on -4, to right
20. $n \geq 20$
21. $n \leq 250$
22. $s \leq 55$
23. $450 \leq n \leq 500$
25. C
26. D
27. B
28. A

p.204

69. C
70. for ex. if $a = -3$, $b = 2$
71. a and b are opposites & a is a negative number.

HW# 31; WS 4-2

1. $n \geq 9$
Closed On 9, to right
2. $y > 2$
Open on 2 to right
3. $r > -1.5$
Open on -1.5, to right
4. $b > 6$
Open on 6, to right
5. $n > -\frac{1}{4}$
Open on -1/4, to right
6. $c \leq -1$
Closed on -1, to left
7. $g < 1.3$
Open on 1.3, to left
8. $d < 2.7$
Open on 2.7, to left

9. $f \geq 10$
Closed on 10, to right
10. $x \leq -4$
Closed on -4, to left
11. $d \leq 5$
Closed on 5, to left
12. $m \geq -1$
Closed on -1, to right
14. $t \geq -13$
Closed on -13, to right
15. $y > 9$
Open on 9. To right
21. $n + 94 + 82 + 87 - 2 \geq 360$
At least 99 points
23. $s + 19 - 5 \geq 32$
18 mi/h
24. $t + 13.5 \leq 25$
11.5 min
25. $n + 3.5 \geq 5$
At least 1.5 mi

26. $1058 + 44.50 - w \geq 1000$
\$102.50
27. $z \geq -1\frac{1}{2}$
Closed on $-1\frac{1}{2}$, to right
28. $d \leq -5$
Closed on -5, to left
29. $v > 2$
Open on 2, to right
30. $m > -4$
Open on -4, to right

p.210

74. False; try $a = 5$, $b = -6$
75. True
76. True

HW #32; WS 4-3

1. $s \geq \frac{3}{4}$
Closed on $\frac{3}{4}$, to right
2. $b \geq 5$
Closed on 5, to right

3. $r > -10$
Open on -10, to right
4. $n > 20$
Open on 20, to right
5. $n \leq 4$
Closed on 4, to left
6. $n \geq -42$
Closed on -42, to right
7. $c > -4$
Open on -4, to right
8. $d > -4$
Open on -4, to right
9. $t > 15$
Open on 15, to right
11. $w > 0$
Open on 0, to right
12. $v > 2.5$
Open on 2.5, to right
13. $m < 10$
Open on 10, to left
15. $v \leq -0.5$
Closed on -1.5, to left
21. $8h \leq 40; 5hrs$
22. $7n \geq 28; 4vans$
23. $.34n \leq 3.84; 11 stamps$
24. $0.5n \leq 31; 62 bricks$
25. $5.5s \geq 275; 50 mi / h$
26. $h < 19.6$
Open on 19.6, to left
27. $x < 9$
Open on 9, to left
28. $a < -81$
Open on -81, to left
30. $q < -25$
Open on -25, to left
31. $b \geq 4$
Closed on 4, to right
32. $c > -10$
Open on -10, to right
33. $b \leq -12.4$
Closed on -12.4, to left