

## Ch 4 REVIEW – Multiple Choice Portion

Date \_\_\_\_\_ Period \_\_\_\_\_

1. Solve:  $2 - n < -6$   
 a)  $n > -4$   
 b)  $n < 4$   
 c)  $n > -8$   
 d)  $n < -8$   
 e) *None of the above*
2. The graph of #1, answer  $d$  is:  
 a) open circle, to the right  
 b) open circle, to the left  
 c) closed circle, to the right  
 d) closed circle, to the left
3. Solve:  $-2 \geq y - 5$   
 a)  $y \geq 3$   
 b)  $y \leq 3$   
 c)  $y \geq 7$   
 d)  $y \leq -7$   
 e) *None of the above*
4. The graph of #3 answer  $d$  is:  
 a) open circle, to the right  
 b) open circle, to the left  
 c) closed circle, to the right  
 d) closed circle, to the left
5. Solve:  $\frac{n}{-3} \leq 11$   
 a)  $n \leq -33$   
 b)  $n \leq 6$   
 c)  $n \geq -16$   
 d)  $n \geq -33$   
 e) *None of the above*
6. The graph of #5 answer  $d$  is:  
 a) open circle, to the right  
 b) open circle, to the left  
 c) closed circle, to the right  
 d) closed circle, to the left
7. Solve:  $-30 > -6c$   
 a)  $c > 5$   
 b)  $c < 5$   
 c)  $c > -24$   
 d)  $c > 36$   
 e) *None of the above*
8. The graph of #7 answer  $d$  is:  
 a) open circle, to the right  
 b) open circle, to the left  
 c) closed circle, to the right  
 d) closed circle, to the left
9. Solve:  $-15 \geq 3b$   
 a)  $b \geq -5$   
 b)  $b \leq 5$   
 c)  $b \leq -5$   
 d)  $b \geq 5$   
 e) *None of the above*
10. Solve:  $\frac{h}{2} > -11$   
 a)  $h > -22$   
 b)  $h > -13$   
 c)  $h < -22$   
 d)  $h > -9$   
 e) *None of the above*
11. Solve:  $-3u > 12$   
 a)  $u < 4$   
 b)  $u < -4$   
 c)  $u > 4$   
 d)  $u > -4$   
 e) *None of the above*
12. Solve:  $-15 < \frac{k}{5}$   
 a)  $k < -75$   
 b)  $k > -3$   
 c)  $k < -10$   
 d)  $k > -75$   
 e) *None of the above*
13. Solve:  $-12 \leq c + 8$   
 a)  $c \geq -20$   
 b)  $c \leq -20$   
 c)  $c \geq -4$   
 d)  $c \leq -4$   
 e) *None of the above*
14. Solve:  $-10 - b < 6$   
 a)  $b > -16$   
 b)  $b < -16$   
 c)  $b < 4$   
 d)  $b < -4$   
 e) *None of the above*
15. Which of these inequalities would not require the inequality symbol to be flipped?  
 a)  $-2x < 4$   
 b)  $-4 < 2x$   
 c)  $2x < 4$   
 d)  $4 < -2x$

**Ch 4 REVIEW – Show Work Portion**

Solve each inequality showing ALL of your work as you were taught this year. Graph the answers on the given number lines.

1.  $-4 - k < -8$



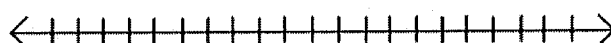
2.  $9 \geq 4 - h$



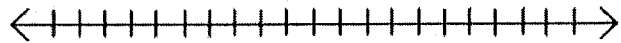
3.  $9d > -18$



4.  $5 \leq \frac{b}{-2}$



5.  $-4x > -64$



6.  $16 \geq \frac{m}{-5}$

