AA Chapter 3 Review Name_____



**Write each as an algebraic expression.**

1) the product of x and 10 is less than 35

2) the quoteint of x and 3 is greater than 4

3) a number plus 6 is less than or equal to 46

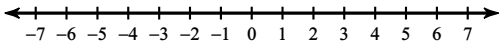
4) 8 less than x is greater than or equal to 30

**Which numbers are solutions of $8 - 2x \geq 5$ ? SHOW YOUR WORK!!**

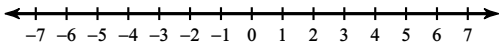
5) a. 2 YES/NO b. -3 YES/NO c. 0 YES/NO

**Draw a graph for each inequality. Write the inequality in standard form first.**

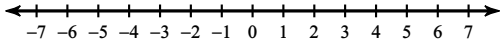
6) $3 \geq n$



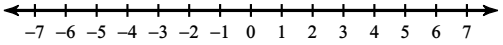

7) $-5 < a$




8) $r \geq 0$

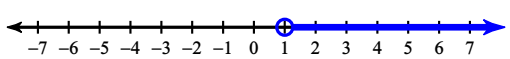



9) $x < -1$

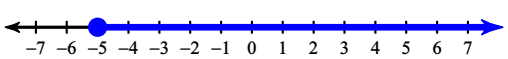



**Write an inequality for each graph.**

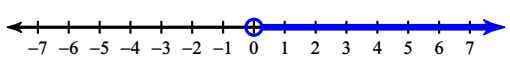
10)



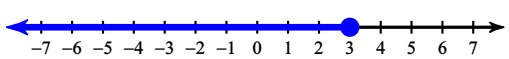

11)




12)

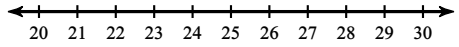



13)

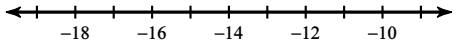


**Solve each inequality and graph its solution.**

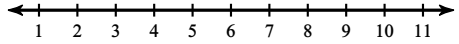
14) $-13 + b \geq 15$



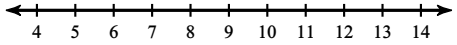

15) $n + 18 < 7$



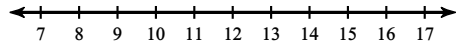

16) $-5m \leq -25$



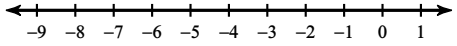

17) $\frac{a}{6} < 2$



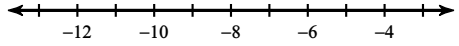

18) $\frac{n}{9} + 2 \leq 3$



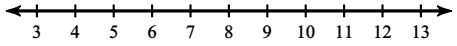

19) $-3 + 5n < -38$



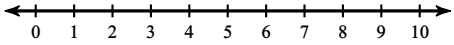
20) $3(-4 + x) \geq -39$




21) $-4(2 + p) > -36$




22) $8(3 - 2a) > -8 - 8a$




23) $4v + 3(v - 8) > -6v - 37$