

## One Step Algebraic Inequalities ( 1A )

**Cover Algebraic Term with Unknown! Determine Value for Inequality to be Equal!  
 Create a Number Line Graph for Solution! The Number Line will have a Solid or Hole!  
 Check Test Points by Substitution, to Verify the Solution to Inequality!**



All Test Points (TPs) make Inequality Statement **True or False** depending upon if TP is **in Solution Set or not in SS!**

$$W + 4 < 9$$

$$W < 5$$

$$5 + P \geq 9$$

$$P \geq 4$$



Test Points = 4 & 6



Test Points = 2 & 6

$$R - 2 > 5$$

$$R > 7$$

$$C - 2 \leq 6$$

$$C \leq 8$$



Test Points = 5 & 9



Test Points = 6 & 10

$$2D \leq 4$$

$$D \leq 2$$

$$3W > 21$$

$$W > 7$$



Test Points = 0 & 4



Test Points = 5 & 9

$$M / 3 \geq 9$$

$$M \geq 27$$

$$S / 3 < 6$$

$$S < 18$$



Test Points = 25 & 29



Test Points = 16 & 20

$$T - 7 \geq 2$$

$$T \geq 9$$

$$B - 3 < 5$$

$$B < 8$$



Test Points = 7 & 11



Test Points = 6 & 10

$$X + 5 \leq 8$$

$$X \leq 3$$

$$2 + M > 8$$

$$M > 6$$



Test Points = 1 & 5



Test Points = 4 & 8

$$P / 4 > 2$$

$$P > 8$$

$$T / 5 \leq 2$$

$$T \leq 10$$



Test Points = 6 & 10



Test Points = 8 & 12

$$5A < 10$$

$$A < 2$$

$$4Z \geq 16$$

$$Z \geq 4$$



Test Points = 0 & 4



Test Points = 2 & 6

All Test Points (TPs) make Inequality Statement **True or False** depending upon if TP is **in Solution Set or not in SS!**

## One Step Algebraic Inequalities ( 1B )

**Cover Algebraic Term with Unknown! Determine Value for Inequality to be Equal!  
 Create a Number Line Graph for Solution! The Number Line will have a Solid or Hole!  
 Check Test Points by Substitution, to Verify the Solution to Inequality!**



All Test Points (TPs) make Inequality Statement **True or False** depending upon if TP is **in Solution Set or not in SS!**

$P + 4 \geq 11$

$P \geq 7$



TPs= 5 & 9

$5 + M \leq 12$

$M \leq 7$



TPs= 5 & 9

$C - 2 \leq 6$

$C \leq 8$



TPs= 6 & 10

$U - 4 \geq 12$

$U \geq 8$



TPs= 6 & 10

$2Z > 8$

$Z > 4$



TPs= 2 & 6

$3G < 15$

$G < 5$



TPs= 3 & 7

$A / 2 < 6$

$A < 12$



TPs= 10 & 14

$E / 2 > 5$

$E > 10$



TPs= 8 & 12

$2Y \leq 6$

$Y \leq 3$



TPs= 1 & 5

$2H \geq 12$

$H \geq 6$



TPs= 4 & 8

$B / 3 \geq 2$

$B \geq 6$



TPs= 0 & 8

$M / 5 \leq 3$

$M \leq 15$



TPs= 13 & 17

$D - 5 < 4$

$D < 9$



TPs= 7 & 11

$H - 4 > 2$

$H > 6$



TPs= 4 & 8

$4 + S > 9$

$S > 5$



TPs= 3 & 7

$K + 4 < 6$

$K < 10$



TPs= 8 & 12

All Test Points (TPs) make Inequality Statement **True or False** depending upon if TP is **in Solution Set or not in SS!**