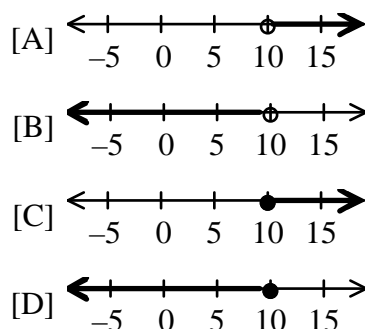
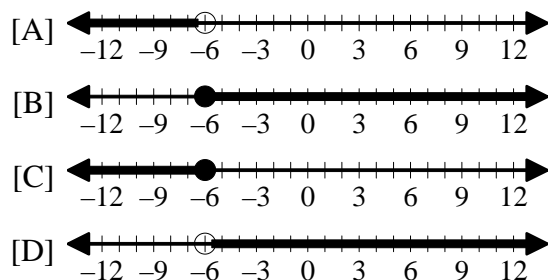


*P.I. A.A.24: Solve linear inequalities in one variable*

1. Which graph shows the solution to  $x + 2 < 12$ ?

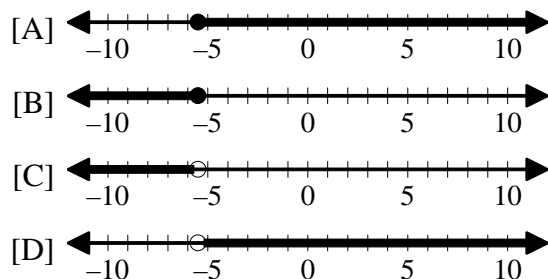


2. Which graph shows the solution of  $x + 6 > 0$ ?

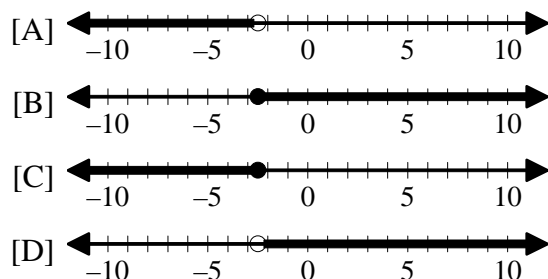


Graph:

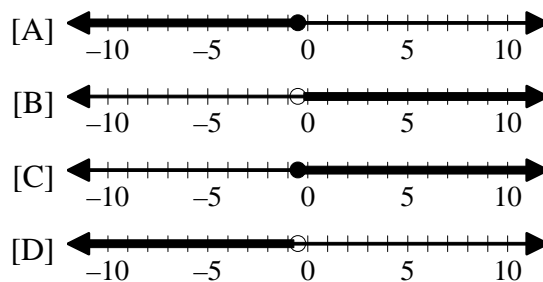
3.  $5x + 5 > 3(x - 2)$



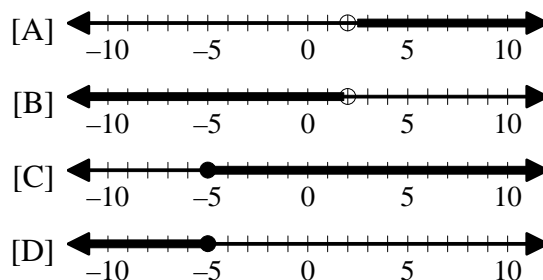
4.  $5x - 1 < 3(x - 2)$



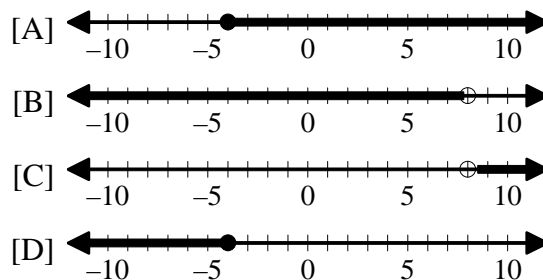
5.  $5x - 2 > 3(x - 1)$



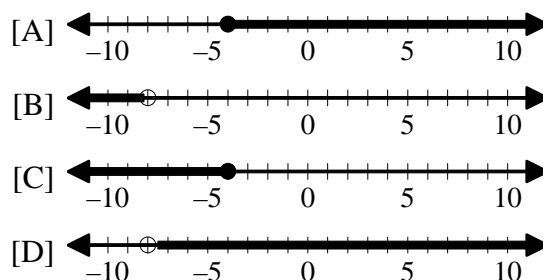
6.  $x < 2$  or  $x \leq -5$



7.  $x > 8$  or  $x \geq -4$

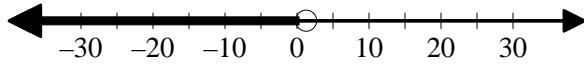


8.  $x < -8$  or  $x \leq -4$

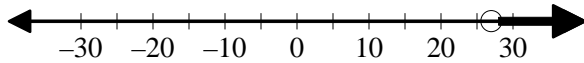


9. Solve the inequality and graph the solution on a number line.  $\frac{2}{9}x > 6$

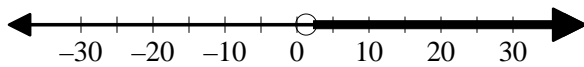
[A]  $x < 1.3$



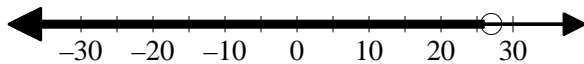
[B]  $x > 27$



[C]  $x > 1.3$

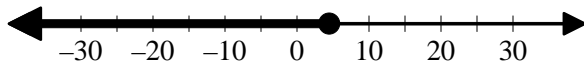


[D]  $x < 27$

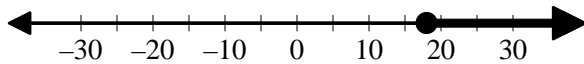


10. Solve the inequality and graph the solution on a number line.  $\frac{1}{2}x \leq 9$

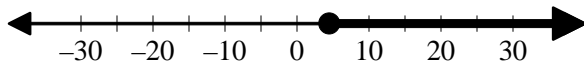
[A]  $x \leq 4.5$



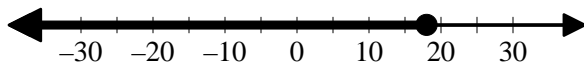
[B]  $x \geq 18$



[C]  $x \geq 4.5$



[D]  $x \leq 18$



Integrated Algebra Practice: A.A.24 #1

[www.jmap.org](http://www.jmap.org)

[1] B

[2] D

[3] D

[4] A

[5] B

[6] B

[7] A

[8] C

[9] B

[10] D