Algebra I Practice A.REI.B.3: Solving Linear Inequalities 1 www.jmap.org

NAME: $\qquad$

1. Which graph shows the solution to
$x+2<12$ ?
$[\mathrm{A}] \underset{-5}{\stackrel{1}{4}} \begin{array}{llllll}\stackrel{1}{4} & 5 & 10 & 15\end{array}$
[B] $\begin{array}{llllll}\rightleftarrows \\ & \mathbf{- 5} & 0 & 5 & 10 & 15\end{array}$
[C]

[D]

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


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

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

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

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

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

[D]

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

$[\mathrm{D}] \begin{array}{lllll} & -5 & 0 & 5 & 10\end{array}$

Algebra I Practice A.REI.B.3: Solving Linear Inequalities 1 www.jmap.org $\qquad$
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] $x \leq 18$


Algebra I Practice A.REI.B.3: Solving Linear Inequalities 1 www.jmap.org
[1] B
[2] D
[3] D
[4] A
[5] B
[6] B
[7] A
[8] C
[9] B
[10] D

