

Intermediate Algebra Skill

Solving Linear Inequalities, Using Addition (Subtraction) Property; Integers

Solve the linear inequalities:

1) $x+8>3$

2) $x+5>2$

3) $a+7\leq-13$

4) $a+9\leq-12$

5) $x-9\leq10$

6) $t+14\geq9$

7) $y-9>-18$

8) $y-8<-14$

9) $y-18\leq-4$

10) $x-11\geq-2$

Answer to Solving Linear Inequalities, Using Addition (Subtraction) Property;
Integers

1) $\{x|x > -5\}; (-5, \infty)$

2) $\{x|x > -3\}; (-3, \infty)$

3) $\{a|a \leq -20\}; (-\infty, -20]$

4) $\{a|a \leq -21\}; (-\infty, 21]$

5) $\{x|x \leq 19\}; (-\infty, 19]$

6) $\{t|t \geq -5\}; [-5, \infty)$

7) $\{y|y > -9\}; (-9, \infty)$

8) $\{y|y < -6\}; (-\infty, -6)$

9) $\{y|y \leq 14\}; (-\infty, 14]$

10) $\{x|x \geq 9\}; [9, \infty)$