3-2 Solve Inequalities Using + or −

Solve each inequality and graph the solutions.

1. $v - 5 < 8$
          $+5 \quad +5$
 $\boxed{v \quad < 13}$
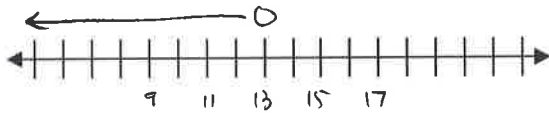
2. $d + 4 \geq -3$
          $-4 \quad -4$
          $\boxed{d \quad \geq -7}$
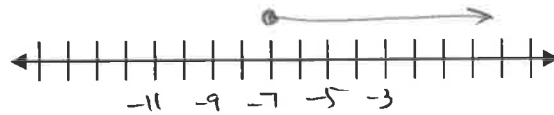
Graph each inequality.

3. $0 \leq 2a - a - 3$
          $0 \leq a - 3$
          $+3 \qquad +3$
          $3 \leq a \quad$ so $\boxed{a \geq 3}$
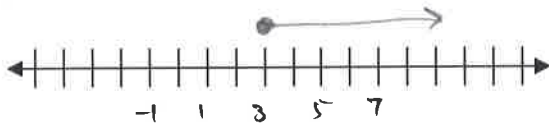
4. $t - 8 > -5$
          $+8 \qquad +8$
          $t \qquad > 3$
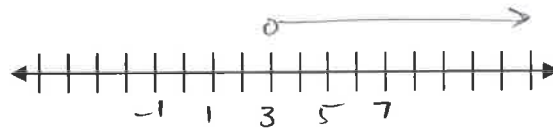
5. Describe and correct the error:

   $-4 + 2$ is not -6, it is -2

   $y - 2 > -4$
   $\quad +2 \cdot \quad +2$
   $\overline{y \qquad > -2}$

        $y - 2 > -4$
        $+2 \quad +2$
        $y > \enclose{circle}{-6}$