Write each verbal expression as an inequality. Then solve the equation.

1. A number decreased by 7 is at most 13.

2. A number plus 6 is greater than 1.

3. A sum of a number and 14 is at least 28.

4. A number decreased by 5 is less than 32.

5. Twenty is no greater than the sum of a number and –4.

6. Twice a number is more than the sum of that number and 8.

7. Which statement is modeled by \( y + 6 \geq 5 \)?
   A. The sum of a number and six is at least five.
   B. The sum of a number and six is greater than five.
   C. The sum of a number and six is at most five.
   D. The sum of a number and six is no greater than 5.
Write each verbal expression as an inequality. Then solve the equation.

1. A number decreased by 7 is at most 13.
   \[ x - 7 \leq 13 \]
   \[ x \leq 20 \]

2. A number plus 6 is greater than 1.
   \[ x + 6 > 1 \]
   \[ x > -5 \]

3. A sum of a number and 14 is at least 28.
   \[ x + 14 \geq 28 \]
   \[ x \geq 14 \]

4. A number decreased by 5 is less than 32.
   \[ x - 5 < 32 \]
   \[ x < 37 \]

5. Twenty is no greater than the sum of a number and –4.
   \[ 20 < (x + –4) \]
   \[ 24 < x \]
   \[ x > 24 \]

6. Twice a number is more than the sum of that number and 8.
   \[ 2x > x + 8 \]
   \[ x > 8 \]

7. Which statement is modeled by \( y + 6 \geq 5 \)?
   A. The sum of a number and six is at least five.
   B. The sum of a number and six is greater than five.
   C. The sum of a number and six is at most five.
   D. The sum of a number and six is no greater than 5.