For problems 1 – 10, determine what values are stored in each variable after executing the following pseudocode instructions. You must show your work. (8 points each)

1. \( a = 1 \)
   \( b = 2 \)
   \( a = a + 7 \)
   \( b = b + 9 \)
   \( b = a + b \)

2. \( d = 23 \)
   \( f = 2 \)
   \( d = d + d + f + 1 \)
   \( f = d + d + f + 1 \)

3. \( g = 7 \)
   \( h = g + 1 \)
   \( h = h + 1 \)
   \( g = g + g \)
   \( h = h + g \)
   \( h = 3 \)

4. \( j = 18 \)
   \( k = j \)
   \( j = k \)
   \( k = j \)

5. \( m = 17 \)
   \( n = m - 5 \)
   \( n = n + 1 \)

6. \( p = 1 \)
   \( \text{if} \ (p > 1) \) \{
     \( p = p + 1 \)
   \}
7. \( q = 12 \)
   \( r = 12 \)
   \[ \text{if} \ (q > 10) \]
   \[ \{ \]
   \[ \ q = q + r + 1 \]
   \[ \} \]

8. \( u = 2 \)
   \[ \text{if} \ (u \leq 2) \]
   \[ \{ \]
   \[ \ u = u + 7 \]
   \[ \ u = u + u \]
   \[ \} \]
   \( u = 5 \)

9. \( w = 1 \)
   \[ \text{while} \ (w < 5) \]
   \[ \{ \]
   \[ \ w = w + 2 \]
   \[ \} \]

10. \( v = 12 \)
    \[ \text{while} \ (v \geq 3) \]
    \[ \{ \]
    \[ \text{if} \ (v > 6) \]
    \[ \{ \]
    \[ \ v = v - 2 \]
    \[ \} \]
    \[ \ v = v - 1 \]
    \[ \} \]
    \( v = v + 3 \)

11. Write pseudocode instructions to print all even integers between 1 and 11. You must use a while loop to calculate each integer before printing it to the screen. ( 20 points)