1. Computer Number Systems
   Convert 246 from octal to hexadecimal

2. Computer Number Systems
   Solve for $X_{16}$
   
   
   $X_{16} = BA35_{16} + AE8B_{16}$

3. What Does This Program Do
   After the following program is run, what is the final value of C?

   ```
   10  C = 0:  K = 0:  S = 1
   20  IF S < 0 THEN C = C - 1 ELSE C = C + 1
   30  K = K + 1: S = -S
   40  IF K <> 8 THEN GOTO 20
   50  END
   ```

4. Recursive Functions
   Find $f(6)$

   $$f(x) = \begin{cases} 
   f(x - 1) + x & \text{if } x \geq 4 \\
   2x & \text{otherwise}
   \end{cases}$$

5. Recursive Functions
   Find $f(7,4)$

   $$f(x,y) = \begin{cases} 
   x - y & \text{if } x \leq 0 \\
   x - f(x - 2, y - 1) & \text{if } x > 0 \text{ and } x \text{ is even} \\
   y - f(y - 2, x - 1) & \text{if } x > 0 \text{ and } x \text{ is odd}
   \end{cases}$$