Binary and Hexadecimal Problems

1) A5BE $_{16}$ in base 2 (Binary) =

2) 10101001001000110 $_2$ in base 16 (Hexadecimal) =

3) 101001010110011 $_2$ in base 16 (Hexadecimal) =

4) 8BD9 $_{16}$ in base 2 (Binary) =

5) 101111000000001 $_2$ in base 16 (Hexadecimal) =