1. Make the following base conversions. Use shortcuts when applicable. (a) 1011001012 to decimal 1011001012 = 1 × 2° + 0 × 2° + 1 × 2° + 0 × 2° + 0 × 2° + 1 × 2° + 1 × 26 + 0 × 27 + 1 × 28 = 1 + 4 + 32 + 64 + 256 = \$6)10111010111110102 to hexadecimal (base 16) 0101110101111010, = 5D7A 5 D 7 A (c) 1011101011110102 to octal (base 8) 10111910111,010 -> 0101=5 0110=6 0101=5 0111=7 0010=9 (d) 593,0 to binary 1001010001,