

Mona Faras Adhoni Zayn

$$1. a. 3A_{(16)} + 58_{(16)} = 5B_{(16)}$$

$$b. 277_{(16)} + 205_{(16)}$$

$$c. 101010_{(2)} = 42_{(10)}$$

$$2. a. 25_{(16)} + 19_{(16)}$$

$$b. 39A_{(16)} + BE_{(16)}$$

$$c. 101000_{(2)} = 51_{(10)}$$

$$3. a. BC_{(16)} = 10111100_{(2)}$$

$$b. 165_{(16)} + 10101001_{(2)}$$

$$c. 659_{(16)} = 110101100_{(2)}$$

$$4. a. 1FA_{(16)} = 1000_{(8)}$$

$$b. 65A_{(16)} = 1216_{(8)}$$

$$c. 1001100_{(2)} = 230_{(8)}$$

$$5. a. 111011_{(2)} = 173_{(8)} + 123_{(16)} = 7B_{(16)}$$

$$b. 3563_{(8)} + 011101110011_{(2)} = 1907_{(10)} = 773_{(16)}$$

$$c. 7865_{(16)} + 1111010111001_{(2)} = 17271_{(10)} = 1EB9_{(16)}$$

$$d. 1ACF_{(16)} = 1101011001111_{(2)} = 15317_{(8)} = 6863_{(10)}$$

$$e. 1AFD_{(16)} = 110101111101_{(2)} = 15375_{(8)} = 6909_{(10)}$$

$$6. a. 1011011_{(2)} + 100011_{(2)} = 1111110_{(2)}$$

$$b. 111011_{(2)} + 100011_{(2)} + 101010_{(2)} = 10001000_{(2)}$$

$$7. a. 2347_{(16)} + 1956_{(16)} = 4017_{(8)}$$

$$b. 3291_{(16)} + 1A16_{(16)} + 2351_{(16)} = 6230_{(8)}$$

$$8. a. 134F_{(16)} + 241B_{(16)} = 376A_{(16)}$$

$$b. 374F_{(16)} + 261B_{(16)} + 23F1_{(16)} + 8D5B_{(16)}$$

$$9. a. 101010_{(2)} + 1347_{(8)} = 785_{(10)}$$

$$b. 3347_{(8)} + 2619_{(10)} = 4386_{(10)}$$

$$c. A39D_{(16)} + 2619_{(10)} = 44429_{(10)}$$

$$10. a. 10101_{(2)} \vee 10101_{(2)} = 110111001$$

$$b. 321_{(8)} + 265_{(9)} = 111705_{(8)}$$

$$c. 1F_{(16)} \times 85_{(10)} = 7DF_{(16)}$$