

LEMBAR JAWABAN TUGAS MANDIRI 1
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1.

No.	Base 10	Base 2	Base 4	Base 16	Base 9	Base 18
a.	100	1100100	1210	64	121	5A
b.	174	10101110	2232	AE	213	9C
c.	21	10101	111	15	23	13
d.	188	10111100	2330	BC	228	A8
e.	73	1001001	1021	49	81	41
f.	14	1110	32	E	15	E

2.

- a. $1001_2 + 13_4 = 20_8$
- b. $2022_{10} + 135_8 = 100001000011_2$
- c. $290822_{16} - 10010010_2 = 2688912_{10}$
- d. $6043_8 - 111001_2 = 101111101010_2$
- e. $110_2 * 1001_2 = 110110_2$
- f. $400_8 / 010_2 = 128_{10}$
- g. $B7_{16} * 302_4 = 10001110111110_2$
- h. $513_{10} / 11011_2 = 10011_2$

3. Error pada posisi bit ke-7

Pesan sebenarnya: 001011010101010

4.

- a. 101101_{gray}
- b. 010011_2