

b.

addition=29-400=112

b.
$$2^{9}+2^{7}+2^{7}=141$$
b. $0|0|0|0|0$
c. $2^{7}=|28$
d. $2^{8}-|=255$
c. $1|1|0$
001

 $q. 2^{\circ} + 2^{\dagger} + 2^{4} + 2^{6} = 85$

1011

7. $0.3 = 2^{2} + 2^{3} + 2^{6} + 2^{9} + 2^{10} \cdots$

0.3=1.00 || 00 ||₀×2⁻²

:. value = -13.296875 (10)

: e-127=-2, e=0111101(2)

α.

0

10. (2.54)
Fill in the truth table for the equations given. The first line is done as an example.

Q1 = NOT (NOT(X) OR (X AND Y AND Z)) Q2 = NOT ((Y OR Z) AND (X AND Y AND Z))

X	Υ	Z	Q ₁	Q ₂
0	0	0	0	1
0	0	1	0	1
0		0	0	1
0			0	1
	Ò	Ò	1	1
	0	1	1	l
		0		1
			Ö	0