16'16

$$(16 \times 9) + 12 = (156)_{10}$$

$$\frac{3}{2} = \frac{10.6}{2.2}$$

$$\frac{10.64}{10.64} = \frac{64 \times 8}{10.00}$$

(4) (3) $\frac{1}{2} = 6$ V=1

(| (| ()) 2 |

6 = 0 6 - 2 = 3

3 -, 2 = [

1 - 2 = 0

V = (

(1) 60 6

00 [

5 rne thing 2 001 61 (001)

4 0012 + 8 with 5 bits evecision

$$|2 = 2 = 6|_{Y=0}$$

 $6 = 2 = 3|_{Y=0}$ (|| 60) $2 = 12$
 $3 = 2 = 1|_{Y=1}$
 $1 = 2 = 0|_{Y=1}$

$$8 = 2 = 4$$
 $V = 0$
 $4 = 2 = 7$ $V = 0$
 $7 = 1$ $V = 0$
 $1 = 2 = 0$ $V = 1$

No overtalus

6 C 5 x 4

$$5 \times 2^{2} = (|o| CC2)$$
 $5 \div 2 = 2 \times |o| = (|o| o)$
 $2 \div 2 = 1 \times |o|$
 $1 \div 2 = 0 \times |o|$
 $1 \div 2 = 0 \times |o|$

6 (x) « 52 % 0 x 53 50

(b) (x - 1279)

0 X 2 0 3 1 3 7 3 7

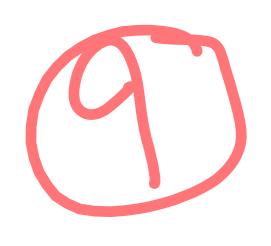
$$600$$
 $12\times4 = 12\times2^2 = (100222)$

$$|2-72=6| f=0 = |(0000)$$
 $|5-2=3| V=0$

B) 8×16 = 8×2 = (\000 2C4)

$$92,2=4$$
 $V=0$
 $42=2$ $V=0$
 $22=1$ $V=0$

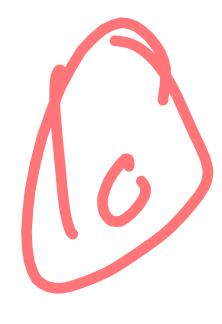
$$= \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$



Short-circuit evaluation means that when evaluatin Boolean expressions you can stop as soon as you find the first condition which satisfies or negates the expression.

shor circuit meaning they do not evaluate the right hand side

but not--short circuiting the & operator combines two Boolean balues using the rules for and , but always evaluates both operand.



Context describes the broader environment in which a piece of work is situated. A statement's importance is greatly increased by its context, which also makes it much simpler to comprehend. IN literary works, context cues build the relationship between the author and the reader while also illuminating the purpose and meaning of the work.