3)	DEEE 754 define	e glandourde	for	you	f durp	loa
	1 D d 120 2 - 0 00 10	o se me eu.		Any	panba	ev

-) Rouding means, sepresuling bony muber which doesnot have floating point sepresentation to the nearest Value:

(I) poundings to nearest

(i) The to even: In this method of rounding, ue sounds to the neasest value.

Ext Romany to integer to + 23.9 Sounded +24

+23.4 => +23

-) af the number is midnay blow two integers, it is rounded to the preasest value with even least significand R: + 45.5 => +46 digit. +46,8 => +46

(ii) Ties away from Zer -> In this method of rounding, we rounded to the neasest value. Ex: + 11.9 mounded to +10.9 -> +11.0 -) If the number is midway, it is rounded to nearest value abou for positive numbers and below for nægrative numbers -7-6-5-4-3-2-101234567---Ex: +28.5 -> +29.0 + 32.5 -11.6 - 12.0 -23.8 -> -24.D ie, all the roundings are away from Zero , as Shown in figure. -> randing of positive numbers now towards

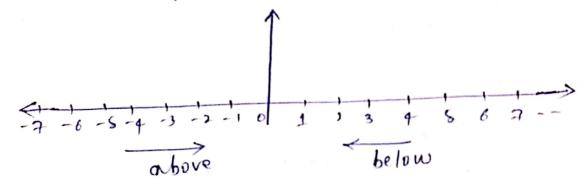
are towards

Scanned with CamScanner

Directed roundings

(i) Rounding towards Zero

-> In this method of rounding, we are rounded to anynumber towards zero.

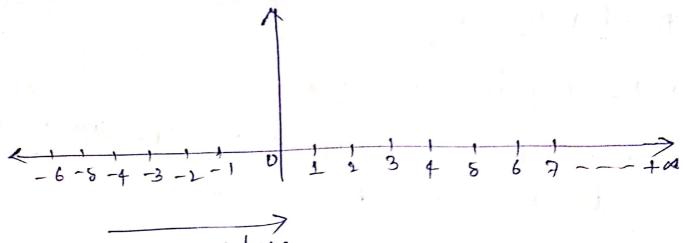


-> for regative nois, rounded to above Value and for positive nois, rounded to below

(ii) Rounding towards + as

-> In this method of randing, we are rounded to their above values is, towards tous.

- For all the note ie, for both prosotive and negative, rounded to their abore values.



(iii) Round towards - x: -) In this method of rounding, we are rounded to their below values is, towards in:

