Exercise - 7A

1) i) An integer in every number line is greater than every number on its left.

ii) An integer in the number line is greater than every number to its left.

iii) 2 is greater than 4 implies 2 is to the right of -4.

iv) -3 is less than 2 and 3 is greater than -2

v) -4 is greater than -8 and 4 is less than 8.

~~2) i) An integer on the given number~~

2 i) $-15 > -23$
ii) $15 > -13$
iii) $8 > 0$
iv) $0 > -3$

3 i) $-6 < 0$
ii) $-3 < 2$
iii) $-51 \leq 15$
iv) $0 < 13$

1 vii) 5 is greater than 3 and -5 is lesser than -3.

viii) -6 is less than 3 and ~~6 is~~ the opposite of -6 is greater than opposite of 3.

viii) 8 is greater than -5 and -8 is less than 5

4 ~~3~~ $3 > 0$
$0 > -8$
$-9 < -9$
$-3 < 3$
$5 > -1$
$-13 < 0$
$-8 > -18$

5. i) $-8, -5, -1, 0, 4, 5$
ii) $-7, -6, -3, 2, 3, 4$

6 i) $15, 8, 0, -2, -3, -5$
ii) $23, 12, 7, 6, 0, -11$

7 i) The smallest ~~integer~~ integer is 0 - False
ii) The opposite of 17 is -17 - True
iii) The opposite of zero is zero - True
iv) Every negative integer is smaller than 0 - True
v) 0 is greater than every positive integer - False
vi) Since zero is neither negative nor positive it is not an integer. False