

-3 to two's complement. 1110_2 to base 10

0001	1101
$\Rightarrow 1100$	$\Rightarrow 1100$
$\Rightarrow 1101$	$\Rightarrow 0001$
	$\Rightarrow 3.$

What happens to $-9 \gg 1$

-9 to two's complement	1101_2 to base 10
-9	
$\Rightarrow 01001$	$\Rightarrow 1101$
$\Rightarrow 10110$	$\Rightarrow 11010$
$\Rightarrow 10111$	$\Rightarrow 00101$
$-9 \gg 1$	$\Rightarrow 5.$
$\Rightarrow 11011$	$\Rightarrow -9 \gg 1$ becomes $-5.$