

## CSCI 2330 – Integer Representation Exercises

Fill in the table below listing the smallest and largest representable values using the specified representation. For n-bit expressions, your values should be expressed in terms of n.

	Smallest (binary)	Smallest (decimal)	Largest (binary)	Largest (decimal)
<b>Unsigned (4 bits)</b>				
<b>Unsigned (n bits)</b>	N/A		N/A	
<b>Sign Magnitude (4 bits)</b>				
<b>Sign Magnitude (n bits)</b>	N/A		N/A	
<b>1's Complement (4 bits)</b>				
<b>1's Complement (n bits)</b>	N/A		N/A	
<b>2's Complement (4 bits)</b>				
<b>2's Complement (n bits)</b>	N/A		N/A	