

LAB 6 PRELAB Zainab Hussein 3-26-2017					
Decimal #	Binary #	Sign	Exponent	Fraction	Hex #
1.0	$1 \times 2^0$	0	1111111	0	0x3F800000
2.0	$1 \times 2^1$	0	10000000	0	0x40000000
3.5	$1.11 \times 2^1$	0	10000000	11	0x40600000
0.5039625	$1.000000010000000111011 \times 2^{-1}$	0	1111110	10000000111011	0x3F0103B0
65535.6875	$1.11111111011 \times 2^{15}$	0	10001110	1111111011	0x477FB000
0.5039625+65535.6875	$1.1111111101 \times 2^0$	0	10001110	11111111	0x8EFF0000
<div> <div> <div>S3 = 0</div> <div>E3 = 126</div> <div>F3 = .000000010000000111011</div> </div> <div> <div>S4 = 0</div> <div>E4 = 142</div> <div>F4 = .11111111011</div> </div> <div> <div>shiftamt</div> <div>-16</div> </div> <div> <div>shift smaller mantissa</div> <div>1.10000000111011E-16</div> </div> <div> <div>sum of mantissas</div> <div>1.1111111101</div> </div> </div>					