## Mustafa can calıskan 150200097

Mustafa Con Galiston 150200097 91) Option 2) a) 121:2=60 > remainder 1 60:2=70 1 0 0 1 0 1 5 1 2 = 7 0 1 1 | 6 in org rep. is 1111001  $\frac{113}{1024} \cdot 2 = \frac{226}{1024} \rightarrow$ 9048, 2 = 1908 > 1024 1807 -1 = 784, 2= 1024 (cont.) 1024 1024

$$\frac{1568}{1024} - 1 = \frac{544}{1024}, 2 = \frac{1033}{1024} + 1$$

$$\frac{138}{1024} \rightarrow 0$$

$$1024$$

$$\frac{256}{1024} \rightarrow 0$$

$$1024$$

$$\frac{512}{1024} \rightarrow 0$$

$$1024$$

$$\frac{1024}{1024} = 1$$

Mustafa En Coliston 150200097 01) b) = 0,0100 e=125 = (11110), frac = 00,100,100,100,100,100,100,100 (> single precision > 0/11/10/1001001001001001001001

Mostefa Can hudisken 150000097 first digit = 1 (number is neg.) after eight bit = 00011101 - 29 (29-127 = -98) frac. > 011100 all 200, 298 7-1, (1.011), 2-98 G-1. 10111, 24, 298

1568 -1 = 544,2 = 1038 Mustafa Ca adiska 150200097 92) option 1 for 1:2,5 for 4: 1 for 2: 3,4,5 for 5: 1,2,3,4,6 for 6: 4.5 for 3; 1,4,5,6