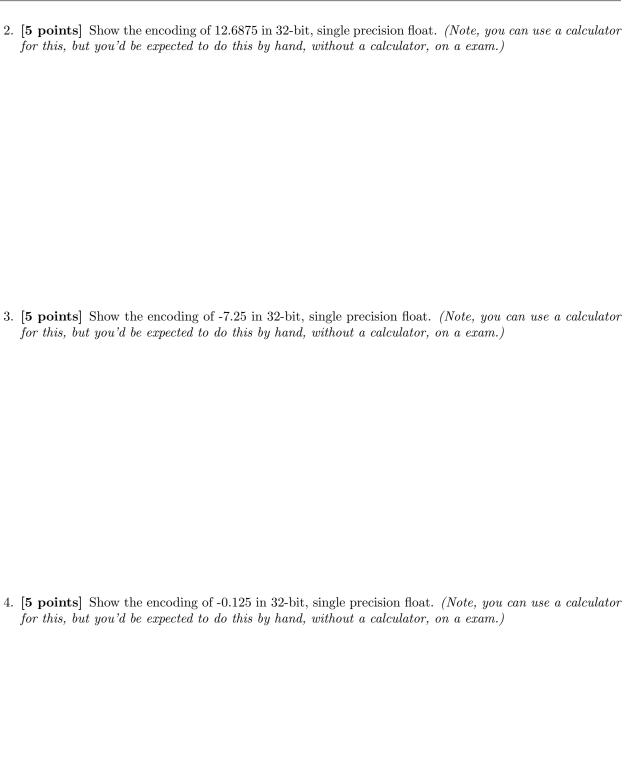
IC220: HW 5b

Due: 18 Mar 2019

Full Name:	Al	lpha:	
Circle Your Section: Aviv/10	001 Aviv/2001 Aviv/40	.001 Choi/5001 Missler/5002	
Total Points: 45			
Preliminary: Carefully do the	e assigned reading for	Chapter 2 (2.1-2.3,2.5-2.10,2.12)	
answer in reduced fraction for different segments of the end this by hand, without a calcutate (a) [5 points]	orm or in decimal. For coding. (Note, you can ulator, on a exam.)	into a decimal (base 10) number. You can lear convenience, the number is broken with hypa use a calculator for this, but you'd be expected to 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	phens fo
(b) <b>[5 points</b> ]			
0 - 1 0 0 0 0 0 1	0 - 1 1 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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5. [5 points] Convert the following C code to MIPS. You can assume single precision floats, and use pseudo instruction li.s.

```
float pick (float G[], int index){
   return G[index];
}
```

6. [5 points] Convert the following C code to MIPS. You can assume single precision floats, and use pseudo instruction li.s.

```
float maxdiv(float A, float B){
  if(A> B) return A/B;
  else return B/A;
}
```

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7. [5 points] Convert the following C code to MIPS. You can assume single precision floats, and use pseudo instruction li.s.

```
float sum(float A[], int N){
   int j;
   float sum = 0.0;
   for (j=0; j<N; j++){
      sum = sum + A[j];
   return sum;
}</pre>
```

8. [5 points] Convert the following C code to MIPS. You can assume single precision floats, and use pseudo instruction li.s.

```
float foo(float x, float y){
  if (x > y)
    return x + y;
  else
    return x - y;
}
```