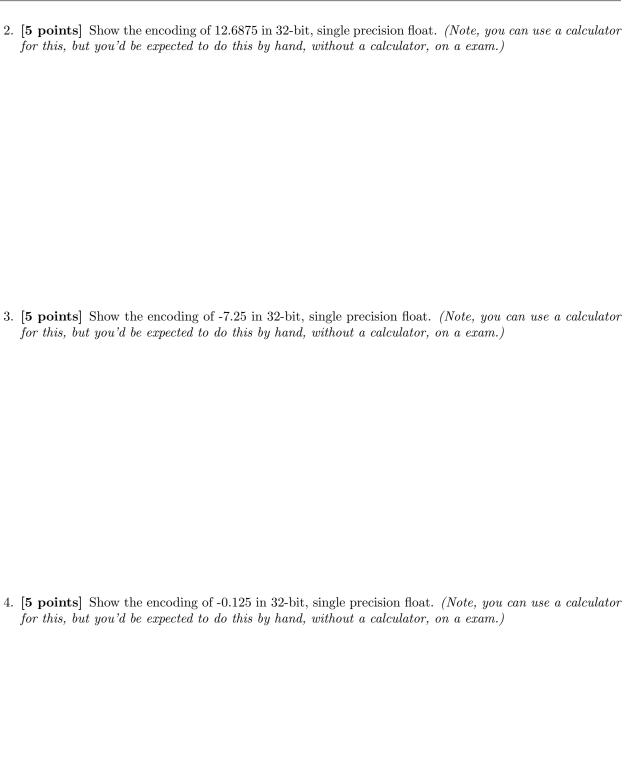
IC220: HW 5b

Due: 18 Mar 2019

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Circle Your Section: Aviv/1001 Aviv/2001 Aviv/4001 Choi/5001 Missler/5002																																	
Total Po	oints:	50																															
Prelimin	Preliminary: Carefully do the assigned reading for Chapter 2 (2.1-2.3,2.5-2.10,2.12)																																
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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;
}
```

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9. [5 points] Convert the following C code to MIPS. Note: use integers not floats here! Also, use mult instruction that we learned in class that takes just 2 arguments.

```
int muskrat(int g, int h){
   int prod = g * h;
   if (prod < 0)
       prod *= -1;
   return prod;
}</pre>
```