```
Kyle, William, Ping Ju, Samuel 2.3
```

- 1) a) 1/x is meaningless when x=0, f(0) is not defined
- 7) a) There is no maximum integer since all positive integers can be the possible maximum. The domain is Z+ x Z+ The range is Z+
- 9) a) 1

2.4

- 1) a)2 *(-3)^0+5^0=2*1+1=3
 - b) $2*(-3)^1 + 5^1 = -1$
 - c) 2*(-3)^4+5^4=2*81+625=162+625=787
- 3) a) a0=2^0+1=2, a1= 2^1+1=3, a2=2^2+1=5, a3= 2^3+1=9

2.6

- 1 a) Size of A is 3 x 4 matrix
 - b) 3 x 1 matrix

First row = $\{1\}$

Second row = $\{4\}$

Third row = $\{3\}$

3) a) First row = {1 11} Second row = {2 18}

27 a) A v B

First row = $\{1 \ 1 \ 1\}$

Second row = $\{1 \ 1 \ 1\}$

Third row = $\{1 \ 0 \ 1\}$