- 1. Suppose you have sets A and B defined by $A=\{1,2,3,4\}$ and $B=\{0,1,2,3\}$. Which one of the following set relations is true? (3 points)
 - $A.A \subset B$
 - $B.B \subset A$

$$_{\checkmark}$$
 C. A \triangle B = {0,4}

$$D.A \cap B = \{2,3\}$$

- 2.Suppose A={1, 2, 3, 4, 5, 7, 8, 10,
 11, 14, 17, 18}. How many subsets
 of A contain only odd integers?
 (3 points)
 - A. 15
 - B. 31
 - **√** C. 63
 - D.127
- 3. Which set below is nonempty? (3 points)
 - A. All integers x such that 3x+5=9
 - B. All real numbers x such that $x^2+6=4$
 - C. All irrational numbers x such that $x^2+4=6$
 - D. All natural numbers x such that 2x+7=3