1. Use Set Builder to give a description of each of these sets:
2. {0, 3, 6, 9, 12}

{x ∈ ℕ| x is a multiple of 3 and x ≤12}

“x is the set of natural numbers given that x is a multiple of 3 and x is less than or equal to 12.”

1. {-3, -2, -1, 0, 1, 2, 3}

{x ∈ ℤ| -3 ≤ x ≤ 3}

“x is the set of positive integers given that x is greater than or equal to -3 and x is less than or equal to 3.”

1. {m, n, o, p}

{x | x is a letter in the alphabet from **m** to **p**}

1. Describe whether these statements are true or false:
   1. True
   2. True
   3. False
   4. True
   5. True
   6. True
   7. False
2. **A** = {1,3, 5 , 6, 7, 8, 9}

**B**= {2, 3, 6, 9, 10}

1. F(A) = “A is a finite set” S(A, B) = “A is a subset of B”
   1. $*A*Ø*F*(*A*)
   2. "A"*B*[ (*F*(*B*) Ù *S*(*A*,*B*)) ® *F*(*A*) ]