## Set theory quiz

Tuesday, January 21, 2014 8:59 PM

1 Insert	€,∉,⊂	or £ in	the	boxes	below.
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- ◎ 5 □ {0,1,2,5}
- U ☐ { the alphabet }
- © 0.5 [ { whole numbers }
- (d) 10 □ ₹0,1,2 --.. }
- © {2,3} □ {1,2,3,4}
- € 1,23 □ {2,3,4}
- (g) { March, April } [ { Months of the year }
- (h) {3,27} [] {Multiples of 3}
- 1 {26,283 [] { Multiples of 43
- 3) State whether the following sets are finite or infinite. If they are finite, write down their cardinality.
  - @ { Days of the week }
  - (b) {Multiples of 10 }
    - @ { American Presidents }
- 3) Write down all subsets of the set {1,2,3}