



42 a) $f'(\{1\}) = \{-1, 1\}$ b) $f'(\{x \mid 0 < x < 1\}) = \{x \mid (0 < x < 1) \cup (-1 < x < 0)\}$ $\int_{-\infty}^{\infty} f(x|x>9) = \{x(x>2) \cup (x<-2)\}$ Section 2.4 1 a = -3 a + 4 a - 2 (-4) = -3(-4) -1 + 4(-4) -2 (-4) = -3(-4) + - (-4) -1 (-4) = -4(-4)1-1 (-4) = (-4) 33 d) $\sum_{i=0}^{2} \sum_{j=1}^{3} ij - \sum_{i=0}^{2} (i+2i+3i)$ $= \sum_{i=0}^{2} (6i)$ = 60+12 = 18 Section 2.5T A Subset has at most the same [16] & cardinality of its superset, therefore if the cardinality of the superpet is such that it is countable then so is life subset.