Homework #5- Hand in no later than 2:41 p.m., Wednesday, May 31

Let $X = Y =$ reals, and let $f : X \quad Y$ be defined by $f(x) = x^2$. Let Y have the usual topology and let X have the weak topology by f. Let $A \quad X$ be

$$A = [-5, -4] \quad [4,6].$$

Find the closure and the interior of A with respect to the weak topology by f.