If A B B A T Topics for Affine Algebraic Geometry ·localization (adjoining inverses) · integral extensions (B a finite A-module) · prime ideals · dimension Ex: A = a[x] . spec A = An b= A[g-] g some non-zero polyhomial B=A[y]/(yg-1) = ([x,y]/(yg(x)-1) Spec B = locus yg= l in Axy Say (xº, y°) ∈ Spec B. So yg(x°)=1. Given xº can solve uniquely for yo, provided glad to If g(xo)=0, no solution, Corispec [[x][g]] ( points of All where g(x) \$0