MATH 233: HOMEWORK 2

Problems

(1) From Hartshorne: III 5.1-3, 5.5-6, and III 8.1-4
(2) Show that if $f : X \to Y$ is a morphism of separated schemes, with $U \subset X$ and $V \subset Y$ affine, then $f^{-1}(V) \cap U$ is affine.