is a normal transformation of
on \( X \), i.e., another \( X \to \mathbb{A}^1 \) and a morphism of schemes.

An open in a bigger ring is a presheaf of abelian groups obversely, given suitable \( \mathcal{X} \) and \( \mathcal{X} \) is a homs the inclusion of

Regard a topological space \( X \) as a category. Let \( X \) has as

Claim: Spec \( S \to A \) is homeomorphic to \( S \), Spec \( A \): \( \text{Spec} \mathbb{Z} \to \text{Spec} A \). For Spec \( A \to \text{Spec} A \).

Let \( \mathfrak{a} \to \mathfrak{b} \to \mathfrak{a} \) be the localization map \( (\mathfrak{a} \supset \mathfrak{b}) \).

Localize \( \mathcal{X} \) and Spec! Structure sheaf pt.!
so to specify a sheet on \( X \), it suffices to describe an open subset of \( X \) which contains \( \Omega \) and \( \cup \Omega \) and \( \cap \Omega \). Then, the structure sheaf on \( \Omega \) is \( \mathcal{O}_{\Omega} \) for all \( \Omega \) such that \( \mathcal{O}_{\Omega} = \mathcal{O}_{\Omega} \). For all \( \Omega \) in \( \Omega\text{,} \) such that \( \mathcal{O}_{\Omega} = \mathcal{O}_{\Omega} \), there is a unique section \( \mathcal{O}_{\Omega} = \mathcal{O}_{\Omega} \) such that \( \mathcal{O}_{\Omega} \) is an open cover of \( \Omega \text{,} \) and \( \mathcal{O}_{\Omega} = \mathcal{O}_{\Omega} \) for any \( \Omega \). This is an open cover of \( \Omega \text{,} \) and \( \mathcal{O}_{\Omega} \) is a sheaf \( X \). A section of \( X \) is an element of \( \mathcal{O}_{\Omega} \).
\[ \frac{9}{n} \rightarrow \text{as } n \rightarrow \infty \]

With \( m = f(x) \) and \( a \in \mathbb{R} \), with the following recursive:

\[ \text{let } D(f) = D(f') \text{ be unique, so we can define a recursion} \]

\[ 0 \times (\emptyset) = \emptyset \]

\[ \forall x (\emptyset) = \emptyset (f) \]

in a series of exercises, Long solve them in class soon.

we want \( 0 \times (\emptyset) = (\emptyset) \). A: we'll show that this works.

sec (fin and the def). On a derivative or
next time

short of X, we'll finish soon

The sheet so often is called P vs. S and

is a local ring

continuity

\[ \lim_{x \to a^-} f(x) = f(a) \]

The stable, &x, of x, domain, &x, &x,

&x, &x.

(What is the critical values on categorize theory)
Here is proof.

Given the short of and the primes,

\[ \operatorname{C} \in \text{short of and the primes} \]

and

\[ \text{Elina is plumb.} \]

If \( \forall e \in \text{E} \), then \( h \in C \)

\[ \text{Given } y \leq \operatorname{O}(n) \implies \operatorname{O}(n) \]

Here restriction maps quickly. Are restrictions work

For any \( \forall y \leq \text{E} \), define \( \operatorname{O}(n) = \{ y : \text{E} \implies \text{E} \} \)

\[ X = C \]