Why does (7.3.2) make sense?

What is the domain of c on p160?

Will such a curve c always exist?

vector in $T_t\mathbb{R}^3 \equiv$ element of $T_t\mathbb{R}^3$ I think.

How does differentiating vector fields correspond to derivative in if the manifold is not?

Why is $X_t Y_t$ called "the usual derivative"?

↓

how can you multiply tangent vectors?

What is $\Gamma^2(T(M))$?

in what sense is fX_1 defined?

Can all bundles be written as a U_t?

which maps choose for this unit smoothly?

ie how to characterize the sections?