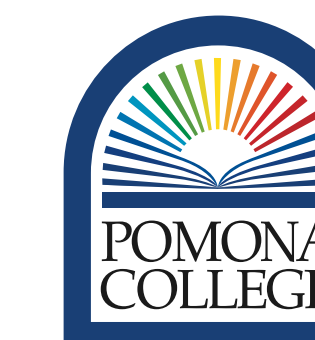


Just Truss Me: User Interface



Sketch Recognition Lab @ TAMU
http://srl.cs.tamu.edu



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You have not entered any equations!

Teach Truss Diagrams

1. truss diagrams are time consuming to grade
2. students rarely receive timely feedback
3. feedback is not detailed

Mekanix

Saving Time with Sketch Recognition

1. pen and paper look and feel minimizes time spent learning program
2. no mode changing
3. incremental feedback given in real time

Tabbed Note Panel
Scratch work area

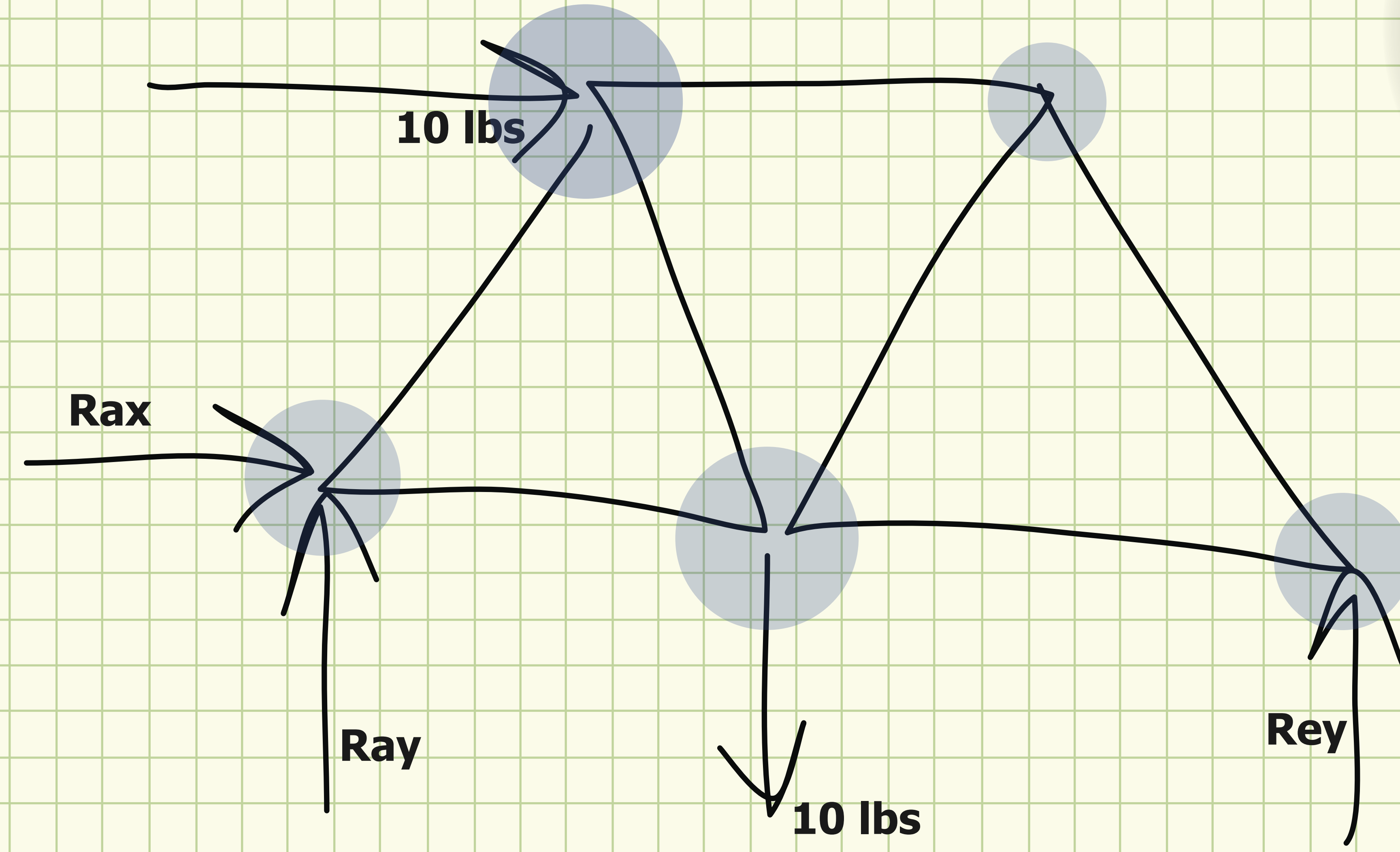
- + Add New Tab
- ✗ Remove or Clear Tab
- ➡ Export to Sketch

Answer Checking
The most serious difference between the user's sketch and the answer is reported in the feedback panel. At the same time, the appropriate element of the sketch is highlighted.

Shape Popup Menu

- Change Stroke Color
- Alternate Shapes
- Remove Shape
- Labeling
- Add Specific Questions

Reaction Force Panels
If an arrow's label begins with "R" or "F", it is recognized as a reaction force and a panel is created. Users may enter values for their forces in these areas.



Equations:

Ray Lbs Rax Lbs Rey Lbs