Knots hwk soln

Two wisions of mirror image:

(1) Change Croppings, 2 reflect diagram in a line. Why are they the same?

Considu coords on TR3 so the projection plane is {z=0}. Changing the cronings means reflect in { = 0} (x,y,z) (x,y,-z)

Also adjust words so line of reflection is {x=0} n {z=0}. plana reflection in

that line is

(x,y)+> (-x,y).

This suppresses

Z ... It's really (x,y,Z) (-x,y E)

Cool facts:

It These transformations commute:

Gorx = rx orz

* the composition 1205= 1201x is notation through 180°

about the line L, which

is an equivalence! * Each (x, 1/2 in involutive.

This second the two reflection planes.

(x o (x or2) = x2 or2 = r2 => equivalent!

in the end a simple solution.