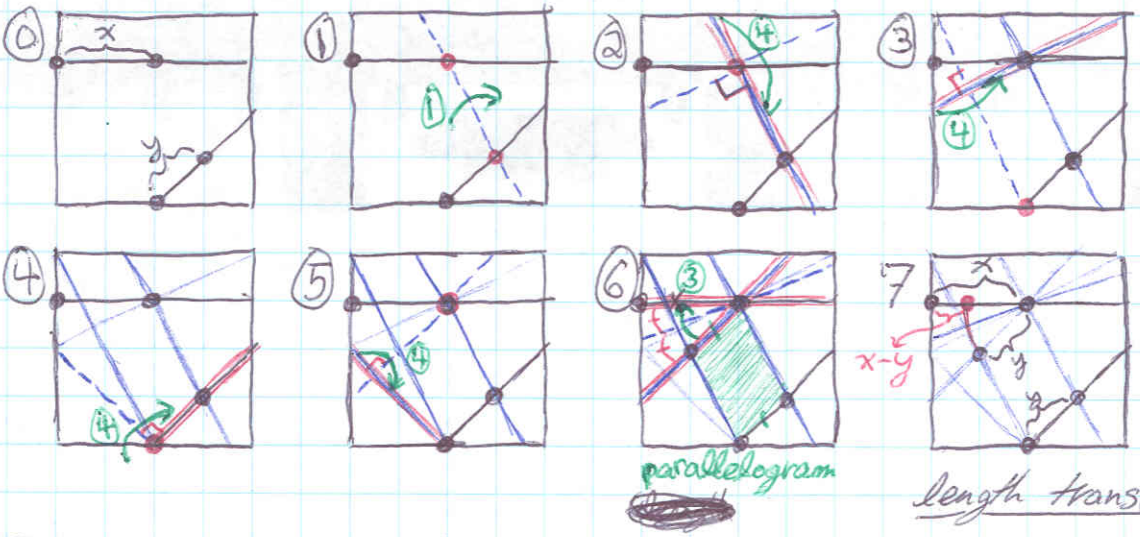
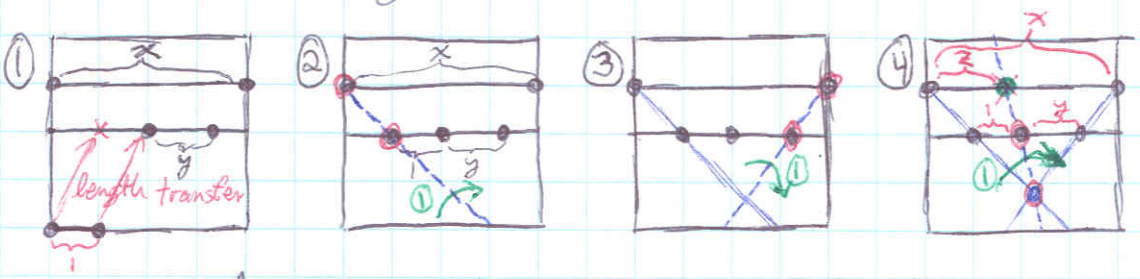
6.885
L21.3
Nov. 29, 2004

Subtraction via origami

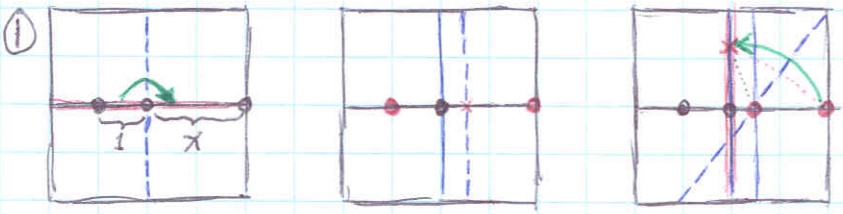


Division via origami

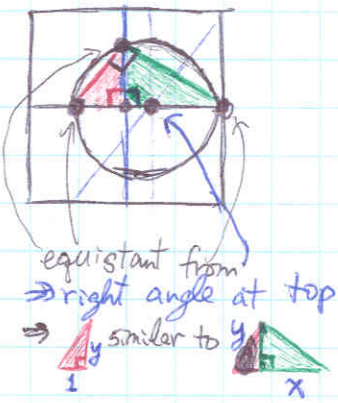


– similar Δs $\Rightarrow 1 : y = z : x \Rightarrow 1/y = z/x \Rightarrow z = x/y$

Square roots via origami



$\Rightarrow$ origami is at least as powerful as straight edge & compass



$\Rightarrow 1 : y = y : x$

$\Rightarrow 1/y = y/x$

$\Rightarrow x = y^2$

$\Rightarrow y = \sqrt{x}$