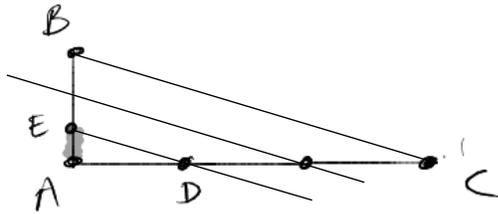
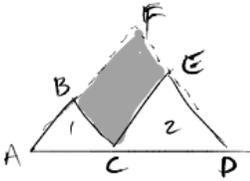


Monday - week 3

- intersect segment



Similar Δ 's

$$\frac{AB}{AC} = \frac{AE}{AD}$$

$$\frac{AB}{3AB} = \frac{AE}{AB}$$

$$\frac{AB}{3} = AE$$

$$\frac{AB}{BF} = \frac{AC}{CD} \quad \text{since they're parallel}$$

$BC \parallel FE$

Parallelogram $\Rightarrow BF = CE$

$$\frac{FE}{ED} = \frac{AC}{CD}$$

$$\frac{BC}{ED} = \frac{AC}{CD}$$