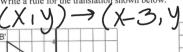
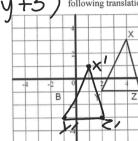
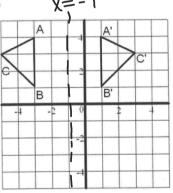
1. Describe what this translation represents in words: $(x,y) \rightarrow (x-2,y+3)$ | 13 UP | 2. Write a rule for the translation shown below. 3. Dow and label the image of $\triangle XYZ$ after the following translation: $(x,y) \rightarrow (x-3,y-2)$





6. Draw the line of reflection and write its equation for the reflections shown below.



C'

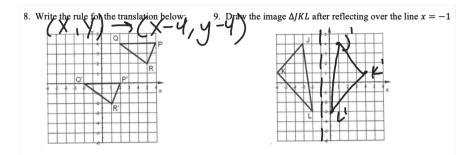
4. Find the coordinates of $\triangle EFG$ after the following translation: $E(1,2) F(5,3) G(2,4) (x,y) \rightarrow (x+12,y-27)$ 5. Given the coordinates of P and P' below to write a rule for the t	G1/2 25)
$E(1,2)$ $F(5,3)$ $G(2,4)$ $(x,y) \to (x+12,y-27)$	2113,-201
Given the coordinates of P and P' below to write a rule for the t	ranslation.
P(-4,9) P'(2,5)	7117-241
$(\vee\vee)$ \rightarrow $(\vee+ \alpha \vee-4)$	1 11/2/
$(\Lambda(Y)^{2})(\Lambda(Y)^{2})$	(27)4-23)
6. Given the coordinates of P and P' below to write a rule for the to $P(-4,9)$ $P'(2,5)$ $(X+4)Y-4)$	

7. Find the coordinates of ΔTUV after the following translation:

$$T^{(3,-2)} U^{(4,6)} V^{(-1,3)} \xrightarrow{(x,y) \to (x-8,y+14)} T^{(-5/12)}$$

$$U^{(-4,20)}$$

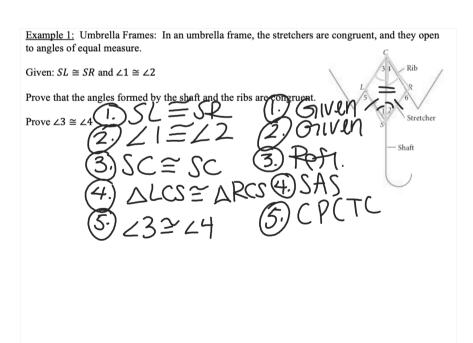
$$V^{(-9,17)}$$



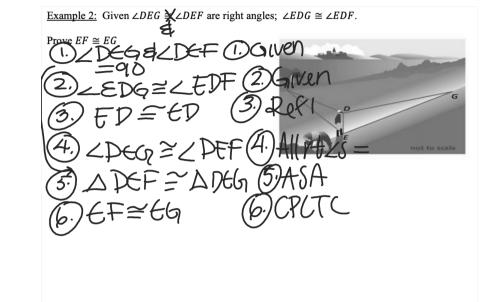
H. Geometry Section 4.4 – Using Congruent Triangles: CPCTC
Objective: I will be able to use triangle congruence and CPCTC to prove that two triangles are congruent. With SSS, SAS, ASA, and AAS you know how to use three parts of triangles to show that the triangles are Once you have triangles congruent, you can make conclusions about their other parts because, by definition corresponding parts of congruent triangles are congruent. You can abbreviate this as

10. For each of the parts below, find the coordinates of the image of point X(3, -2) after each reflection.

a) Reflect X over the x-axis. b) Reflect X over the y-axis. c) Reflect X over the line y = 2



Prove $SO \cong PR$ 1. $Q \cong ZR, ZQPS \cong ZRSP$ Prove $SO \cong PR$ 2. $Q \cong ZR$ 1. $Q \cong ZR$ 2. $Q \cong ZR$ 2. $Q \cong ZR$ 3. $Q \cong ZR$ 4. $Q \cong ZR$ 4. $Q \cong ZR$ 5. $Q \cong ZR$ 5. $Q \cong ZR$ 6. $Q \cong ZR$ 7. $Q \cong ZR$ 8. $Q \cong ZR$ 9. $Q \cong ZR$ 1. $Q \cong ZR$ 1. $Q \cong ZR$ 1. $Q \cong ZR$ 2. $Q \cong ZR$ 2. $Q \cong ZR$ 3. $Q \cong ZR$ 4. $Q \cong ZR$ 4. $Q \cong ZR$ 5. $Q \cong ZR$ 6. $Q \cong ZR$ 7. $Q \cong ZR$ 7. $Q \cong ZR$ 8. $Q \cong ZR$ 9. $Q \cong ZR$ 1. $Q \cong ZR$ 1. $Q \cong ZR$ 1. $Q \cong ZR$ 2. $Q \cong ZR$ 2. $Q \cong ZR$ 3. $Q \cong ZR$ 4. $Q \cong ZR$ 4. $Q \cong ZR$ 4. $Q \cong ZR$ 5. $Q \cong ZR$ 6. $Q \cong ZR$ 7. $Q \cong ZR$ 7. $Q \cong ZR$ 8. $Q \cong ZR$ 9. $Q \cong Z$



1. Given: $\overline{AD} \perp \overline{BC}$ Prove: $\overline{AB} \cong \overline{CD}$ Prove: $\overline{AB} \cong \overline{AC}$ 1. $AD \perp BC$ 2. $\angle BDA = \angle CDA$ 2. $\angle PC$ 3. $\angle BDA \cong \angle CDA$ 3. $\angle BDA \cong \angle CDA$ 3. $\angle BDA \cong \angle CDA$ 4. $\angle BDA \cong \angle CDA$ 4. $\angle BDA \cong \angle CDA$ 5. $\angle BDA \cong ACDA$ 6. $\angle BDA \cong ACDA$ 6. $\angle BDA \cong ACDA$ 7. $\angle CPCTC$ 7. $\angle AB \cong ACDA$ 7. $\angle CPCTC$

