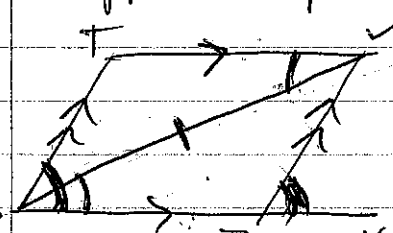
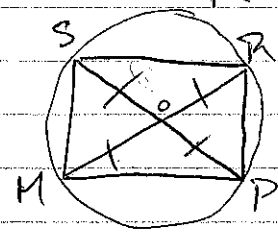
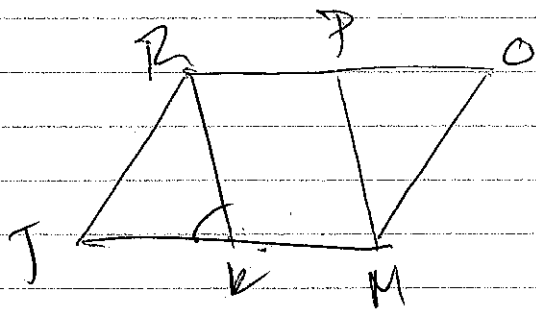


p. 251 # 1-8, 11, 13

1. a. diagonals bis each other
- b. opp sides \cong
- c. one side parallel + \cong
- d. not \square Parallelogram
- e. opp sides parallel

		S	TR
2.	 <ol style="list-style-type: none"> ① $\angle KRV \cong \angle RST / \angle RSV \cong \angle LVS$ ② $\overline{TV} \parallel \overline{SR}$ ③ $\overline{TS} \parallel \overline{VR}$ ④ $\overline{TS} \overline{SR} \overline{TV} \overline{RS}$ is a \square 	S	TR
3.	 <ol style="list-style-type: none"> ① $\odot O$ ② $\overline{OS} \cong \overline{OR} \cong \overline{OM} \cong \overline{OP}$ ③ $\overline{SR} \overline{PM}$ \square 	S	TR
		S	TR

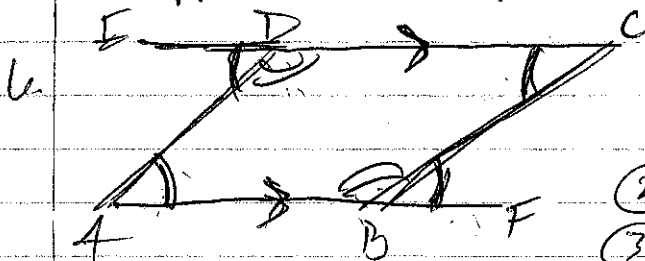
4. 1. Given
2. Def. of \square
3. Opp. sides of a \square are \cong
4. Opp. \angle 's of a \square are \cong
5. Def. of supp
6. Same as 5
7. \angle 's supp to $\cong \angle$'s are \cong
8. Given
9. ASA
10. CPCTC
11. Opp. sides
12. Addition Prop.
13. If 1 pair of opp sides of a quad are both \parallel + \cong , it is a quad



5. Slope of $\overline{PQ} = 0$
 Slope of $\overline{SR} = 0$ \rightarrow thus parallel

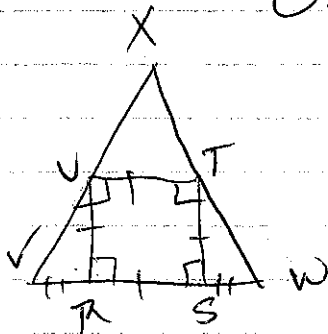
Slope of $\overline{PS} = -\frac{10}{3}$
 Slope of $\overline{QR} = -\frac{10}{3}$ \rightarrow thus parallel

both opp. sides are parallel



S	R
① $\overline{CD} \parallel \overline{AB}$ ✓	① Given
② $\angle EDA \cong \angle CDF$ ✓	② Given
③ $\angle CBF \cong \angle DCB$ ✓	③ alt int \angle 's \cong
④ $\angle EDA \cong \angle DAB$ ✓	④ alt int \angle 's \cong
⑤ $\angle A \cong \angle C$ ✓	⑤ IF 2 \cong \angle's are \sim Transitive Prop
⑥ $\angle EDA$ supp to $\angle ADC$	⑥ sum to 180°
⑦ $\angle CBF$ supp to $\angle ABC$	⑦ sum to 180°
⑧ $\angle ADC \cong \angle ABC$ ✓	⑧ If 2 \angle 's are supp to \cong \angle 's, then they are \cong . ✓
⑨ \overline{ABCD} is a \square	⑨ opp \angle 's \cong

7. a. yes
 b. yes
 c. yes



8. $5x + 5x + 3x + 3x = 32$
 $16x = 32$
 $x = 2$

$\overline{AB} = 5 \cdot 2 = 10$

11. a. S
 b. S
 c. A
 d. A

13. $x^5 \cdot x^2 = x^7$ which is x^7

$(x-5)(x+5) = x^2 - 25$ which is \cong to the $(x^2 - 25)^{\circ}$
 + if 2 L's are \cong , then their supp. are \cong .

\therefore the Quad has opp. L's \cong .

