## Calculator

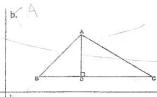
Secondary Math 2 Unit 5 Geometry and Proof Test Date:\_ Part I: Matching Match each word/concept on the left with the picture depicting that word/concept that on the right. 1) Alternate interior angles 2) Vertical angles 3) Corresponding angles 4) Exterior and remote interior angles of a triangle 5) Same side interior angles

Name:

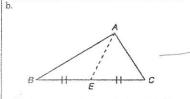
Secondary Math 2	
Unit 5 Geometry and Proof	Test

Name:	
Date:	Per:

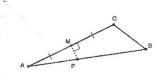
6)	Median



7) Altitude



8) Perpendicular bisector of a side

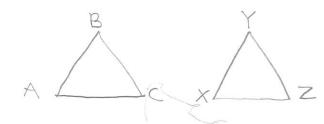


## Part II: Multiple Choice

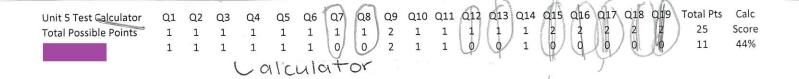
- 9) When comparing  $\overline{BD}$  to  $\Delta ABC$ , then  $\overline{BD}$  is a
- a. Altitude
- b. Median
- c. Angle Bisector
- d. Perpendicular bisector of a side
- e. All of the above



- 10) If you know that  $\triangle ABC \cong \Delta XYZ$ , what else do you know to be true?
- a.  $\angle A \cong \angle Z$
- c.  $\overline{BC} \cong \overline{XY}$
- d.  $\overline{AC} \cong \overline{YZ}$



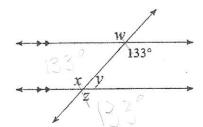
2 | Page



Secondary Math 2 Unit 5 Geometry and Proof Test Name:\_\_\_\_\_\_Per:\_\_\_\_\_

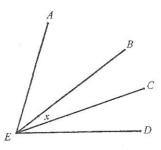
Part III: Short Response
Use the figure to the right to answer questions 11-14.

- 11) What is the measure of angle w?
- 12) What is the measure of angle x?
- 13) What is the measure of angle y?
- 14) What is the measure of angle z?



15) You know that  $\angle AED = 80^\circ$ . You also know that  $\overline{BE}$  bisects  $\angle AED$  and that  $\overline{CE}$  bisects  $\angle BED$ .

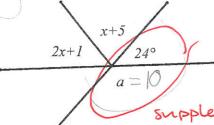
Find x.



what does bised mean?

Trace the diagram and mark it up

16) Find the measure of a in the diagram below.



2X+1+ X+5+2

3x+30 3

Secondary Math 2		
	Canandami	Alath 7

Unit 5 Geometry and Proof Test

80°

17)\Find the measure of angle W in the diagram below.

15x + 7

17x + 3



Quadrilateral Sum

15x +7
15 15
yes add to...

18) Find the measure of angle A in the diagram below.

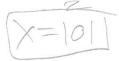
110°

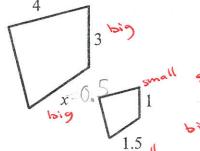
Triangle Angles add to ...

X+47+ X+80+75=

 $\begin{array}{c|c}
75^{\circ} \\
\hline
x+47 & x+80
\end{array}
\qquad \begin{array}{c}
2 \times = 2
\end{array}$ 

19) Similar shapes are shown below. Find the value of x.





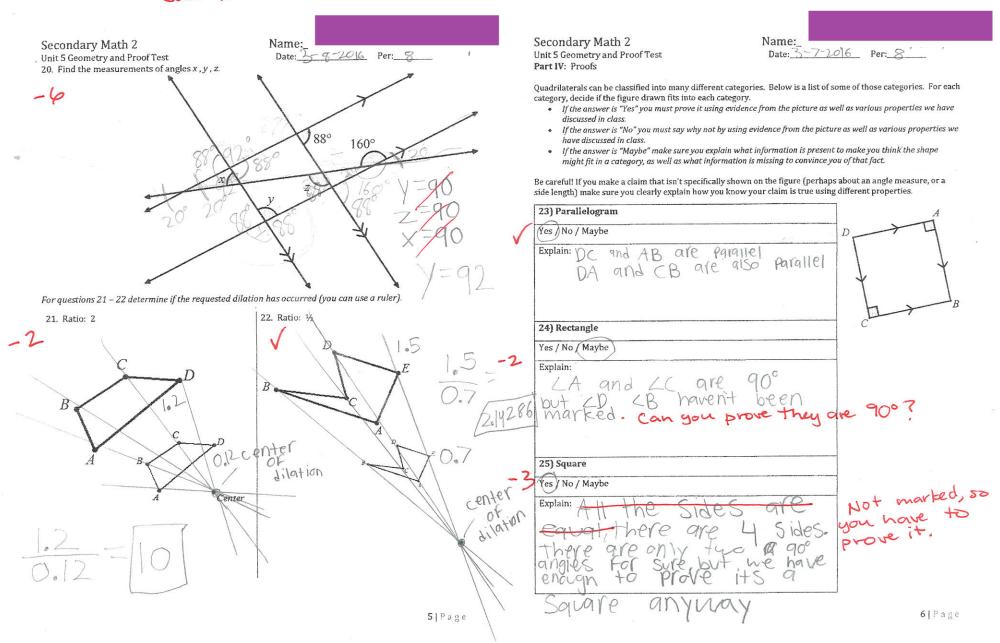
small = 3ma

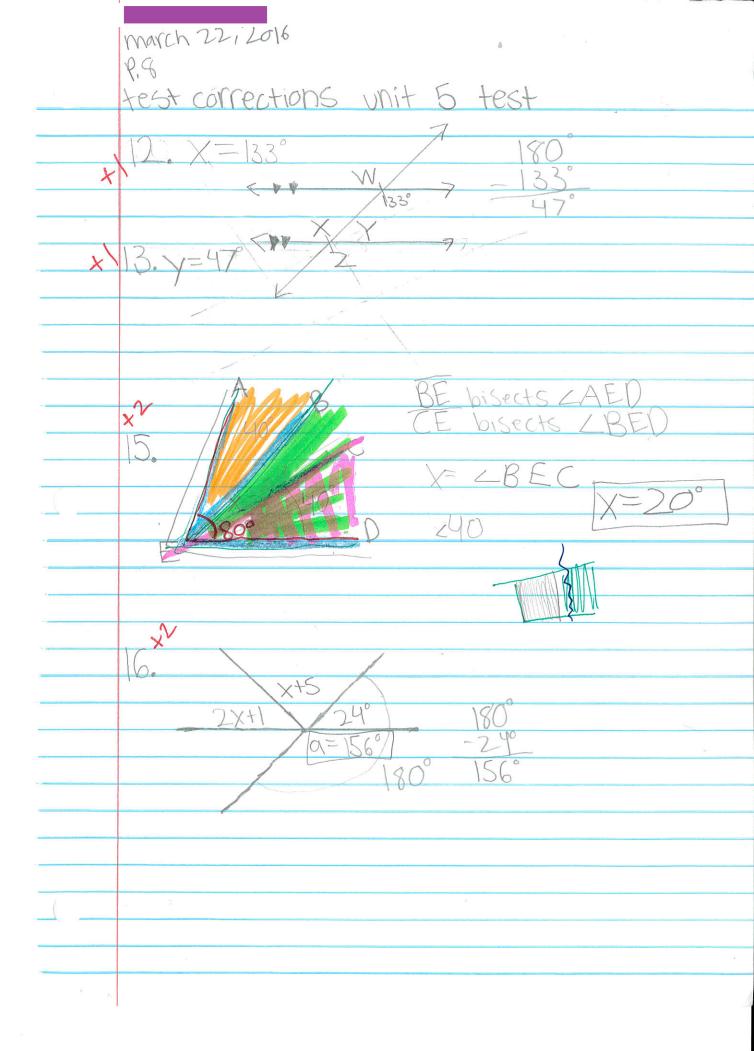
 $\frac{\times}{3} = \frac{\times}{1.5} = \frac{3\times}{3}$ 

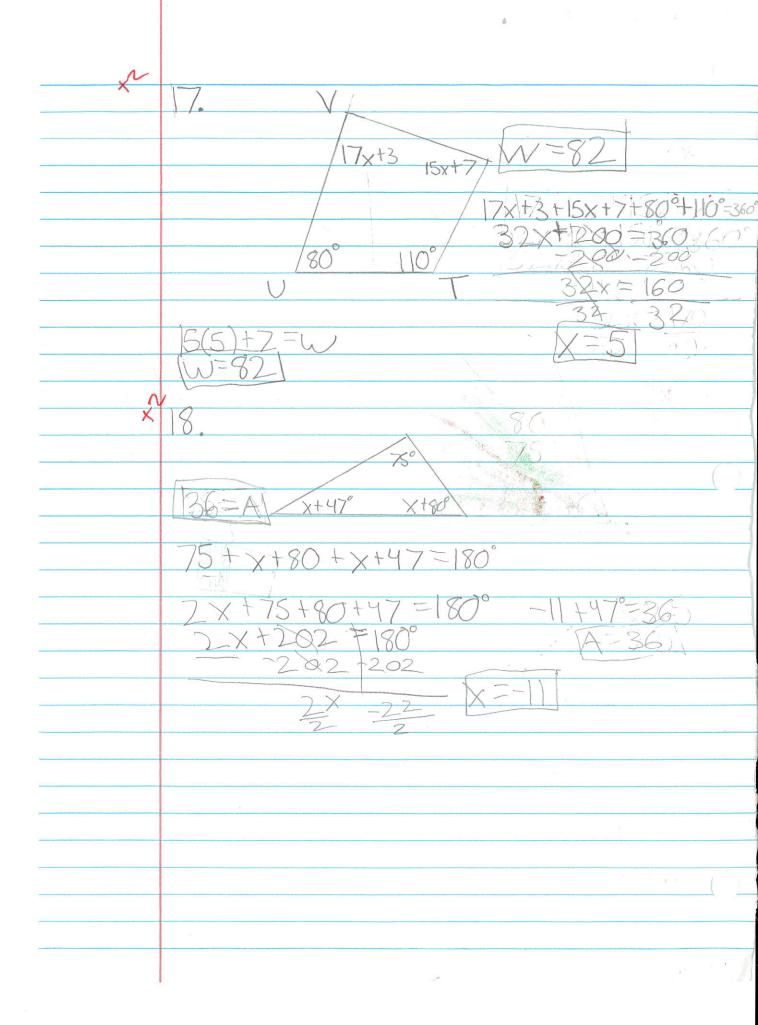
Stape!

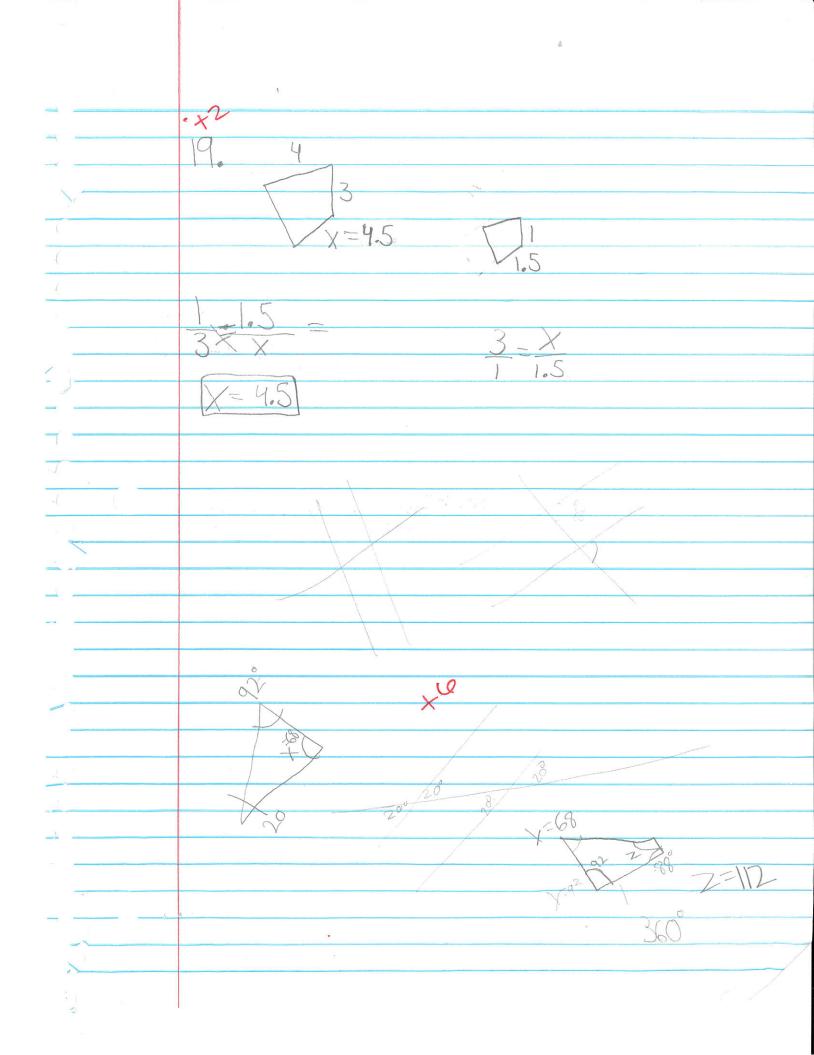
Calc: (1412

written (staple on front) serview









$$24.90+90=180^{\circ}+20+28=360$$
  
 $150$   
 $10+28=180^{\circ}$ 

Opposite angles will be congruent because its a parallelogram.
So both LD and LB are 90°

Stigure DACB is a rectangle beause an angles are 90°

DC= AB and DA=CB because in a parallelogram, opposite Sides are congruent.

22 25. The opposite sides in a parallelogram are always congruent, but we don't know for sure on the adjacent Sides.

x1 maybe

+18 corrections = +apoints

32/38 (84.2)

32+2.5/ = 90.8%