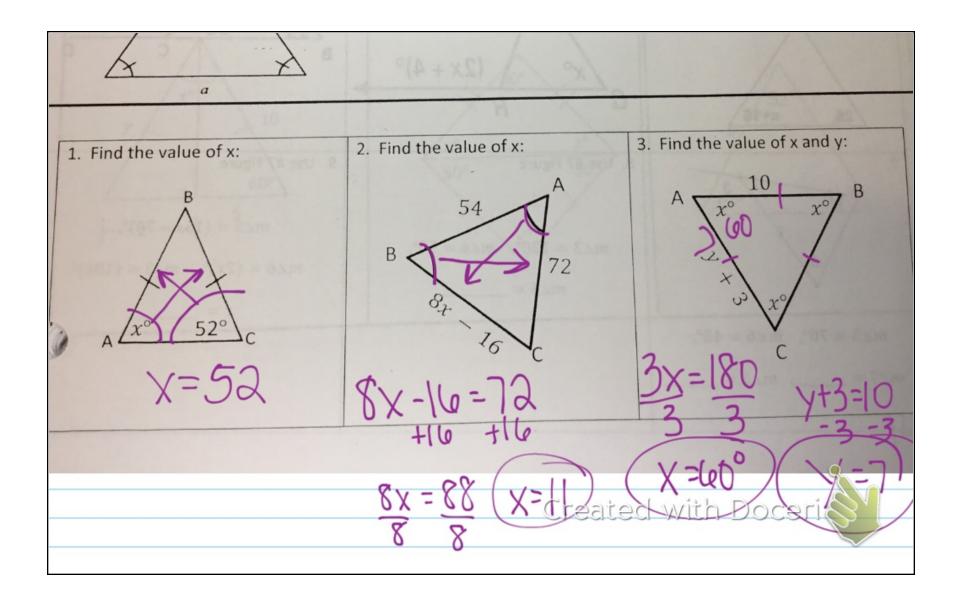
Unit 5 Lesson 3

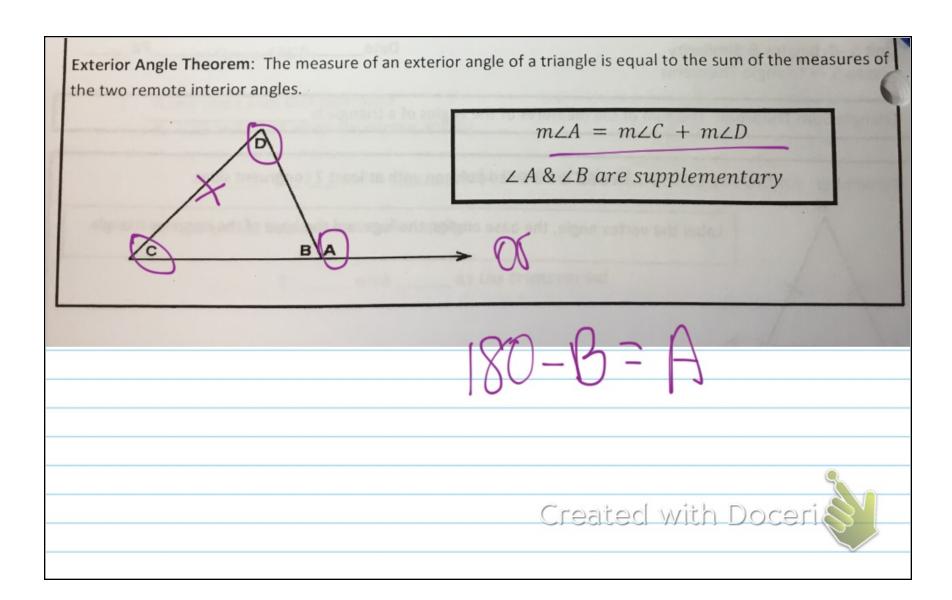
Triangle Theorems

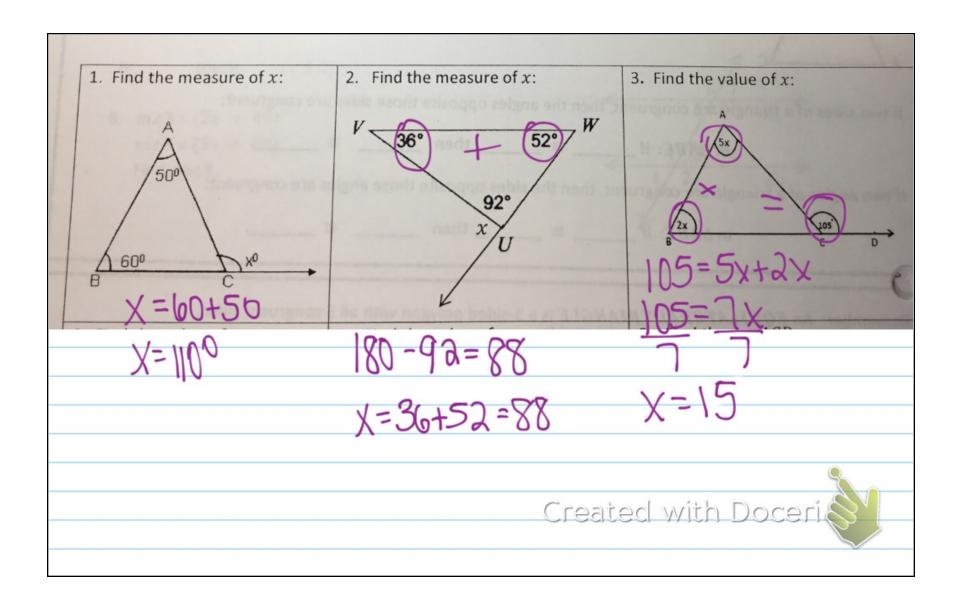
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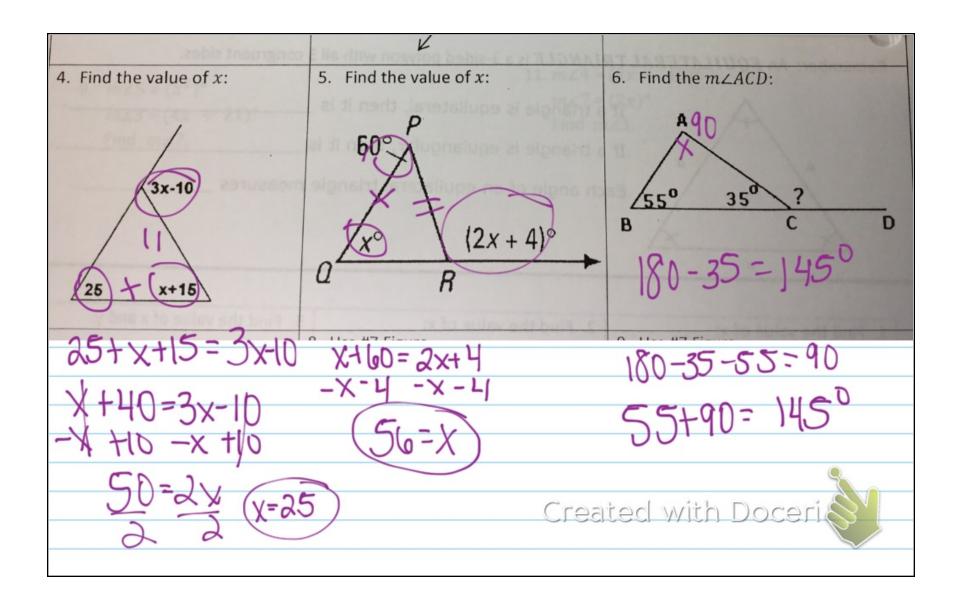
| Triangle Sum Theorem | n: The sum of the me | easures of the an | igles of a trian | gle is |
|---------------------------|-----------------------------------------------------------|-------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remember: An ISOS | CELES TRIANGLE | is a 3-sided poly | gon with at lea | ast 2 congruent sides. |
| | Label the vertex ang | le, the base angl | es, the legs an | nd the base of the isosceles tri |
| | 15 | ZA ZC | CB | CA |
| If two sides of a triang | 111 | | | |
| | In ΔABC: if AB | | | The same of the sa |
| If two angles of a triang | gle are congruent, the $\triangle ABC$: if $\triangle A$ | en the sides opposite $\cong \frac{2}{2}$ | hen AB | mgles are congruent: <u>≅ CB</u> . with Doceri |
| | | | | |

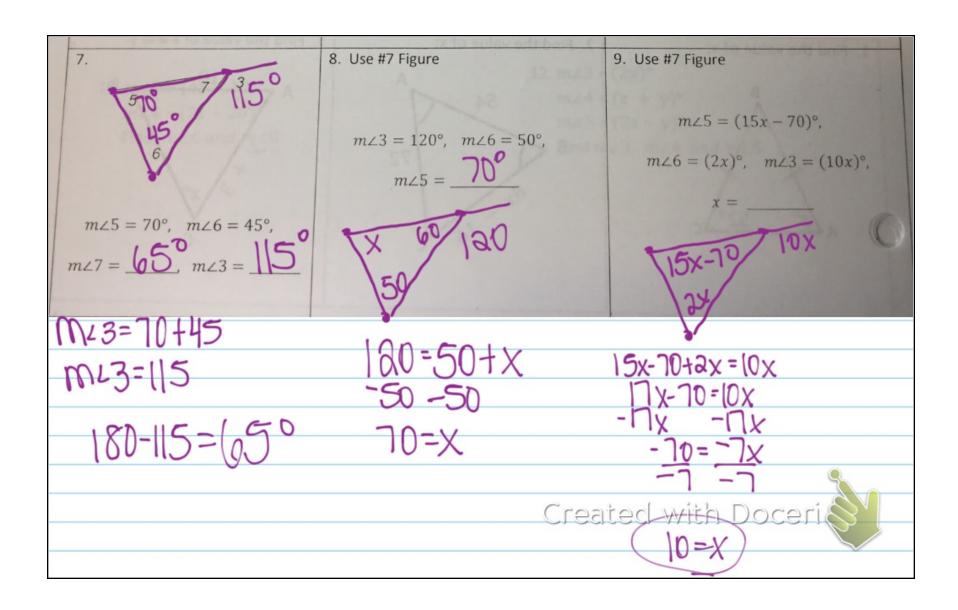
| If two angles of a triangle are cong In ΔABC | gruent, then the sides opposite those angles are congruent: if if then Then If |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2/00° | If a triangle is equilateral, then it is equilateral e |
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