

STUDENT SELF TRACKING SHEET

UNIT 4: Triangle Congruence and Similarity

BIG IDEA	<p>Triangle Congruence and Similarity and Proof</p> <ul style="list-style-type: none"> • Similar and congruent have many real world applications. • We understand necessary and sufficient conditions to determine if triangles are similar or congruent. We use similar or congruent triangles to prove theorems and conjectures. 																		
Target 4A	<p>Understanding and Applying Triangle Similarity</p> <ol style="list-style-type: none"> 1. I can use AA, SAS, and SSS to determine if triangles are similar. 2. I can use similar triangles to solve problems. 3. I can find the area and perimeter of similar triangles. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 10%;">Date</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">Average</td> </tr> <tr> <td>Grade</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date								Average	Grade								
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Target 4B	<p>Understanding Triangle Congruence</p> <ol style="list-style-type: none"> 1. I can identify the corresponding congruent parts given congruent triangles. 2. I can use SSS, SAS, ASA, AAS to determine if triangles are congruent. 3. I can demonstrate by counter-example that not all SSA triangles are congruent. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 10%;">Date</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">Average</td> </tr> <tr> <td>Grade</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date								Average	Grade								
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Target 4C	<p>Applying Triangle Congruence</p> <ol style="list-style-type: none"> 1. I can use corresponding parts of congruent triangles to solve problems. 2. I understand the characteristics of the angle bisectors and perpendicular bisectors of a triangle. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 10%;">Date</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">Average</td> </tr> <tr> <td>Grade</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date								Average	Grade								
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Target 4D	<p>Understanding Deductive Reasoning</p> <ol style="list-style-type: none"> 1. I can use similar triangles to prove conjectures or theorems. 2. I can use congruent triangles to prove conjectures or theorems.. 3. I can use deductive reasoning to prove conjectures or theorems. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 10%;">Date</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">Average</td> </tr> <tr> <td>Grade</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date								Average	Grade								
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Target Connections	<p>Understanding Connections in Mathematics</p> <ol style="list-style-type: none"> 1. I can solve problems by reasoning with geometry and algebra. 2. I can use properties of triangles to solve real world problems. 3. I can use coordinate geometry to solve problems. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 10%;">Date</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">Average</td> </tr> <tr> <td>Grade</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date								Average	Grade								
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**Target
Communications**

Understanding Communication in Mathematics

1. I can use geometric notation to name shapes and describe relationships.
2. I can use geometric vocabulary to explain my thinking.
3. I can organize my proofs using two-column, flow-chart, and paragraph forms.
4. I can use accepted reasons to justify my thinking.

Date							Average
Grade							

Student Self Tracking Calendar: Unit 4

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7

8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30 Unit 4 Assessment	31				