**Secondary Math 2 Unit 1 Review Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_**

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| 1. Name the angle four different ways. |
| 2. Identify the special angle pair shown. Tell whether they are congruent or supplementary. |
| a) | b) | c) |
| d) | e) | f) |
| 3. Find the measure of each angle indicated. **Justify your answer.** |
| a)  | b)  | c) |
| 4. Write an equation and solve for x. **Justify your answer.** |
| a)  | b)  |
| 5. Given that lines $m $and $n $intersect as shown below and$ m∠5=6x+5$ and $m∠7=4x+35$a) Write an equation and solve for x.b) What is $m∠8$? |
| 6. Use the picture to answer the following questions. Assume lines that appear to be parallel are parallel. |
| a) If m∠6 = 50, then find m∠11.b) If m∠2 = 70, then find m∠6. c) If m∠1 = 130, then find m∠5.d) If ∠7 = 110, then find *m*∠10.e) If m∠4 = 45, then find m∠12. |  |
| 7. Write a two column proof for each of the following. |
| Given:  Prove:

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| **Statement** | **Reason** |
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 | Given: *a* || *b*Prove**: ∠**2 ≅ **∠**3

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| **Statement** | **Reason** |
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| Given: $r∥s$ and $t∥u$Prove: $∠10$ and $∠8$ are supplementary.  |

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| **Statement** | **Reason** |
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