**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 and intersect as shown below and and    a) Write an equation and solve for x.  b) What is ? | | | | |
| 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:   |  |  | | --- | --- | | **Statement** | **Reason** | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | | | Given: *a* || *b*  Prove**: ∠**2 ≅ **∠**3   |  |  | | --- | --- | | **Statement** | **Reason** | |  |  | |  |  | |  |  | |  |  | |  |  | | | |
| Given: and  Prove: and are supplementary. | | |  |  | | --- | --- | | **Statement** | **Reason** | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | | | |