### Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intro to Unit 2 Review Sheet

Standard: Properties of Lines and Angles

**Look in your notes to find the definition of the following words:**

|  |  |
| --- | --- |
| 1. Point |  |
| 2. Line |  |
| 3. Ray |  |
| 4. Line Segment |  |
| 5. Parallel Lines |  |
| 6. Perpendicular Lines  |  |
| 7. Midpoint |  |
| 8. Acute Angle |  |
| 9. Right Angle |  |
| 10. Obtuse Angle |  |
| 11. Angle Bisector |  |
| 12. Vertical Angle |  |
| 13. Supplementary Angle |  |
| 14. Complementary Angle |  |

|  |  |
| --- | --- |
| 1. Solve for x.

 | 1. Find the$ m∠ECB$.

 |
| 1. $∠1 $and$ ∠2$ are complementary angles. If $m∠1=$ 2x + 14 and $m∠2=$ 4x + 46, what is the value of x.

 19. $∠1 $and$ ∠2$ are supplementary angles. If $m∠1=$ 3x + 10 and $m∠2=$ 9x + 50, what is the value of x.21.23. 18.For #25-27, Solve for x.25. 26.  | 18. $∠1 $and$ ∠2$ are complementary angles. If $m∠1=$ 2x and $m∠2=$ 8x + 50, what is the value of x. 20. $∠1 $and$ ∠2$ are supplementary angles. If $m∠1=$ 5x and $m∠2=$ 5x + 100, what is the value of x.22.24.  27.  |
|  |  |

**Spiraling**

**ΔABC has the coordinates A(1, 6), B(2, 2), and C(5, 6).**

For each of the following transformations, write the coordinates of the image of ΔA’B’C’. Use the coordinate plane to help you.

**![[image]]()**1. Translate 3 right and 4 up.

A’ B’ C’

2. Reflect over the x-axis.

A’ B’ C’

3. Rotate 90° clockwise about the origin.

A’ B’ C’

4. Rotate 180° clockwise about the origin.

A’ B’ C’