

**Algebra 0507****Chapter 5****WS #7**

Name \_\_\_\_\_

**Find the x – intercept and the y – intercept. Determine if the points are on the line.**

1.  $y + 3x = 6$

|              |             |            |         |           |
|--------------|-------------|------------|---------|-----------|
| x- intercept | y-intercept | ( -2, 12 ) | ( 4, 6) | ( -1, 3 ) |
|              |             |            |         |           |

2.  $y - x = 1$

|              |             |            |          |          |
|--------------|-------------|------------|----------|----------|
| x- intercept | y-intercept | ( -2, -1 ) | ( 0, 3 ) | ( 4, 5 ) |
|              |             |            |          |          |

3.  $2x + y = 4$

|              |             |           |           |           |
|--------------|-------------|-----------|-----------|-----------|
| x- intercept | y-intercept | ( -2, 0 ) | ( -1, 2 ) | ( 3, -2 ) |
|              |             |           |           |           |

$$4. \quad 2y + 4x = 6$$

|              |             |           |           |           |
|--------------|-------------|-----------|-----------|-----------|
| x- intercept | y-intercept | ( 2, -1 ) | ( -3, 9 ) | ( 4, -5 ) |
|--------------|-------------|-----------|-----------|-----------|

$$5. \quad -x - y = -2$$

|              |             |           |          |           |
|--------------|-------------|-----------|----------|-----------|
| x- intercept | y-intercept | ( -2, 0 ) | ( 3, 1 ) | ( 1, -3 ) |
|--------------|-------------|-----------|----------|-----------|

$$6. \quad -3x + y = 12$$

|              |             |           |           |           |
|--------------|-------------|-----------|-----------|-----------|
| x- intercept | y-intercept | ( -2, 6 ) | ( -1, 9 ) | ( 5, -3 ) |
|--------------|-------------|-----------|-----------|-----------|