

## Dynamics of Trigonometry – Coordinate Right Triangle Trig

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Block: \_\_\_\_\_

**Directions:** Use the given coordinates to identify the values of all six trig functions.

1. (3, -4)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

4. (7, 9)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

2. (-6, 8)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

5. (-5, -12)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

3. (-5, -7)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

6. (7, -24)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

7. (1, 3)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

10. (-1, -1)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

8. (-2, 6)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

11. (2, 4)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

9. (-3, 3)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |

12. (5, -1)

|              |  |
|--------------|--|
| Sin $\theta$ |  |
| Cos $\theta$ |  |
| Tan $\theta$ |  |
| Csc $\theta$ |  |
| Sec $\theta$ |  |
| Cot $\theta$ |  |