**Sea Turtle Equations (Part 1) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Geometry Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_**

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(2, −12)(4, −10) |  |  |  |  |
| **#2**(−8, 11)(−11, 5) |  |  |  |  |
|  |  |  |  | **A1** |
| **#3**(3, 11)(2, 14) |  |  |  |  |
| **#4**(1, −13)(2, −12) |  |  |  |  |
| **#5**(−6, −14)(−4, −16) |  |  |  |  |
| **#6**(−4, 9)(−5, 11) |  |  |  |  |

**Sea Turtle Equations (Part 1) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(0, 16)(−2, 14) |  |  |  |  |
| **#2**(−3, 10)(−4, 9) |  |  |  |  |
|  |  |  |  | **A2** |
| **#3**(−4, 9)(−7, 6) |  |  |  |  |
| **#4**(5, −7)(7, −3) |  |  |  |  |
| **#5**(−1, −13)(0, −14) |  |  |  |  |
| **#6**(−2, −12)(−1, −13) |  |  |  |  |

**Sea Turtle Equations (Part 1) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(−7, 6)(−8, 4) |  |  |  |  |
| **#2**(−1, 1)(−4, −2) |  |  |  |  |
|  |  |  |  | **A3** |
| **#3**(−2, 14)(−3, 11) |  |  |  |  |
| **#4**(4, 9)(3, 10) |  |  |  |  |
| **#5**(−4, −10)(−2, −12) |  |  |  |  |
| **#6**(2, 14)(0, 16) |  |  |  |  |

**Sea Turtle Equations (Part 1) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(0, −14)(1, −13) |  |  |  |  |
| **#2**(−7, −3)(−5, −7) |  |  |  |  |
|  |  |  |  | **A4** |
| **#3**(−12, 1)(−8, 5) |  |  |  |  |
| **#4**(8, 4)(7, 6) |  |  |  |  |
| **#5**(−4, −10)(−5, −11) |  |  |  |  |
| **#6**(4, −2)(1, 1) |  |  |  |  |

**Sea Turtle Equations (Part 1) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(−1, −13)(0, −14) |  |  |  |  |
| **#2**(−2, −4)(−3, −6) |  |  |  |  |
|  |  |  |  | **B1** |
| **#3**(−6 −14)(−4, −16) |  |  |  |  |
| **#4**(4, 9)(3, 10) |  |  |  |  |
| **#5**(0, −12)(2, −11) |  |  |  |  |
| **#6**(−4, 8)(−7, 4) |  |  |  |  |

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(−7, −3)(−5, −7) |  |  |  |  |
| **#2**(7, 6)(4, 9) |  |  |  |  |
|  |  |  |  | **B2** |
| **#3**(−4, −10)(−2, −12) |  |  |  |  |
| **#4**(−4, −2)(−2, −4) |  |  |  |  |
| **#5**(1, 6)(4, 8) |  |  |  |  |
| **#6**(−8, −3)(−4, −10) |  |  |  |  |

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| **Pair of Points** | **Slope**  | **||****Slope** | **⊥****Slope** | **Equation**Slope–Intercept: Point–Slope: *y*=*mx*+*b* *y*–*y*1=*m*(*x*–*x*1) |
| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(−2. 14)(−3, 11) |  |  |  |  |
| **#2**(4, −2)(1, 1) |  |  |  |  |
|  |  |  |  | **B3** |
| **#3**(−4, −10)(−5, −11) |  |  |  |  |
| **#4**(1, 1)(4, 4) |  |  |  |  |
| **#5**(−4, 8)(−1, 6) |  |  |  |  |
| **#6**(−2, 9)(−4, 8) |  |  |  |  |

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| **Example**(−4, 8) (−1, 6) x1 y1 x2 y2 |  |  |  |  |
| **#1**(3, 11)(2, 14) |  |  |  |  |
| **#2**(−2, −12)(−1, −13) |  |  |  |  |
|  |  |  |  | **B4** |
| **#3**(8, 4)(7, 6) |  |  |  |  |
| **#4**(−4, 4)(−1, 1) |  |  |  |  |
| **#5**(4, −10)(−2, −12) |  |  |  |  |
| **#6**(4, 8)(2, 9) |  |  |  |  |

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| **#1**(−2, −4)(−3, −6) |  |  |  |  |
| **#2**(−1, 6)(−4, 4) |  |  |  |  |
|  |  |  |  | **C1** |
| **#3**(4, −10)(−2, −12) |  |  |  |  |
| **#4**(1, 1)(4, 4) |  |  |  |  |
| **#5**(1, 6)(4, 8) |  |  |  |  |
| **#6**(−1, 1)(1, 1) |  |  |  |  |

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| **#1**(−8, −3)(−4, −10) |  |  |  |  |
| **#2**(−2, 9)(−4, 8) |  |  |  |  |
|  |  |  |  | **C2** |
| **#3**(4, 8)(2, 9) |  |  |  |  |
| **#4**(−3, −6)(−1, −9) |  |  |  |  |
| **#5**(−4, 4)(−1, 1) |  |  |  |  |
| **#6**(−1, 6)(1, 6) |  |  |  |  |

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| **#1**(−4, 8)(−7, 4) |  |  |  |  |
| **#2**(−2, −11)(0, −12) |  |  |  |  |
|  |  |  |  | **C3** |
| **#3**(4, 4)(1, 6) |  |  |  |  |
| **#4**(−5, −7)(−2, −11) |  |  |  |  |
| **#5**(1, −9)(3, −6) |  |  |  |  |
| **#6**(−2, −4)(2, −4) |  |  |  |  |

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| **#1**(3, −6)(2, −4) |  |  |  |  |
| **#2**(2, 11)(5, −7) |  |  |  |  |
|  |  |  |  | **C4** |
| **#3**(−4, 8)(−1, 6) |  |  |  |  |
| **#4**(0, −12)(2, −11) |  |  |  |  |
| **#5**(7, 4)(4, 8) |  |  |  |  |
| **#6**(−1, −9)(1, −9) |  |  |  |  |