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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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**  (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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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, −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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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**  (−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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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**  (−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) |  |  |  |  |

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

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

Directions: On a separate sheet you will find a list of instructions for graphing a particular picture.

1. Plot the points, connecting with lines as instructed. If you plot and connect the points correctly they should form a recognizable picture.
2. Complete the table below using pairs of points from your picture. For each pair of points, find the slope, the parallel slope, the perpendicular slope and the equation of the line (in slope–intercept form). You may use either formula to find your equation, but you must write your final answer in **slope–intercept form**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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**  (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) |  |  |  |  |