PRACTICING SLOPE & LINEAR EQUATIONS: Roller Coaster

Part 1 (Questions): Answer questions using the following table of data for the parts of a roller coaster:

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| **Loading Platform**  (-18, 4) and (-14, 4) | **Drop 1**  (-14, 4) and (-12, -11) | **Climb 1**  (-9, -12) and (-7, -8) |
| **Climb 2**  (-5, -5) and (-2, 10) | **Drop 2**  (2, 13) and (5, 0) | **Death Drop**  (5, 0) and (5, -15) |
| **Climb 3**  (9, -12) and (13, 4) | **Drop 3**  (15, 4) and (18, -2) | **Unloading Platform**  (18, -2) and (21, -2) |

Questions

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| --- | --- | --- |
| **Find the equation** of the loading platform | **Find the equation** of the unloading platform | **Find the equation** of the death drop. |

**Drop 1**

|  |  |
| --- | --- |
| Slope using 2 points  ( , ) and ( , ) | Equation of drop 1 in slope intercept |

**Climb 1**

|  |  |
| --- | --- |
| Slope using 2 points  ( , ) and ( , ) | Equation of climb 1 in slope intercept form |

**Climb 2**

|  |  |
| --- | --- |
| Slope using 2 points  ( , ) and ( , ) | Equation of climb 2 in slope intercept |

**Drop 2**

|  |  |
| --- | --- |
| Slope using 2 points  ( , ) and ( , ) | Equation of drop 2 in slope intercept form |

**Climb 3**

|  |  |
| --- | --- |
| Slope using 2 points  ( , ) and ( , ) | Equation of climb 3 in slope intercept form |

**Drop 3**

|  |  |
| --- | --- |
| Slope using 2 points  ( , ) and ( , ) | Equation of drop 3 in standard form |