

**11.2F Activity: Building a Lift Mechanism – Fundamental**

Name:

Class/Period:

Date:

**Question Sheet**

**Question 1** What did you notice about the two sets of data points?

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**Question 2** Do both graphs have the same slope?

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**Question 3** Can you explain any differences between the two graphs?

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**11.4 Activity: Rack and Pinion Test Stand**

Name:

Class/Period:

Date:

**Question Sheet**

**Question 1** Which pinion was faster? Why?

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**Question 2** Which pinion could lift more weight? Why?

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**Question 3** How much weight did the 12T rack and pinion lift?

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**Question 4** How much weight did the 36T rack and pinion lift?

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