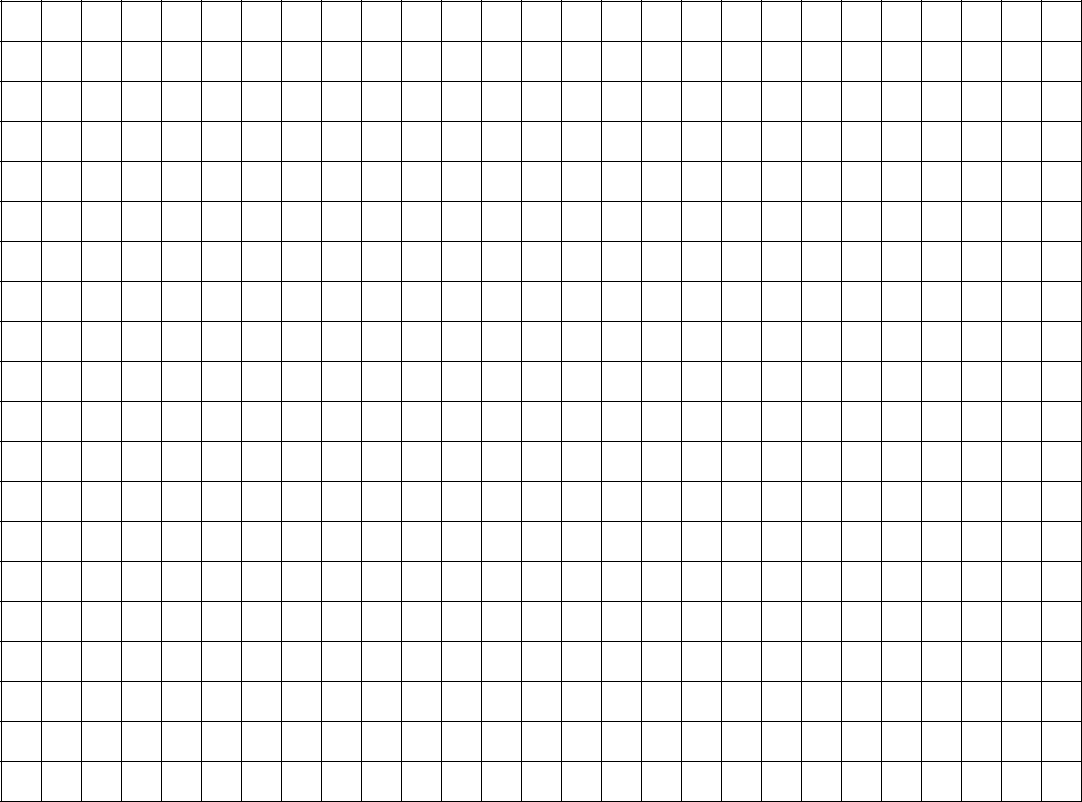
**Math 30-3 Linear Relations Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Quick Check: C2 Direct Variation

1. Each minute of a song in MP3 format takes up about 1.4 MB of storage space.
   1. Write an equation to model the relationship between total storage space, *S*, and how many minutes of songs in MP3 format are stored, *m*.

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| --- | --- |
| **Time,*m***  **(minutes)** | **Storage Space,*S* (MB)** |
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* 1. Create a table of values to show the amount of storage space needed for each minute of music, for 0 min to 10 min.
  2. Graph the results from part b).



* 1. What are the slope and y-intercept of the graph?
  2. Is this an example of a direct variation relationship? Explain your reasoning.