The following data extracted from the Internet Movie Database (IMDB) reflect the box office earnings and ratings of movies for the weekend of July 13, 2007.

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| --- | --- | --- |
| Movie | Earning | Rating |
| Ratatouille | 8 | 10 |
| Sicko | 2 | 9 |
| Knocked Up | 3 | 8 |
| Transformers | 9 | 6.5 |
| Live Free or Die Hard | 7 | 6.5 |
| Harry Potter and the Order of the Phoenix | 10 | 5 |
| 1408 | 5 | 4 |
| Ocean's Thirteen | 1 | 3 |
| Evan Almighty | 4 | 2 |
| License to Wed | 6 | 1 |

1. Construct the appropriate graph for depicting these results.
   1. What type of variable is earning?
   2. What type of variable is rating?
2. What is the relation depicted in the graph?