A record company is interested in the difference in their ratings for two different artists. Given the ratings below, are the artists significantly different using the *p* < .05 criterion?

|  |  |
| --- | --- |
| Artist 1 | Artist 2 |
| 2 | 4 |
| 3 | 5 |
| 2 | 8 |
| 4 | 9 |
| 5 | 10 |
| 2 | 3 |
| 1 | 6 |
| 6 | 7 |

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| Assumptions: |
| Step 1/2: |
| Step 3: |
| Step 4: |
| Step 5: |
| Step 6: |
| Confidence Interval: |
| Effect size: |

With those same artists, who is selling more albums? The R&B artist or the Pop artist? Use the *p* < .05 criterion.

|  |  |
| --- | --- |
| R&B | Pop |
| 100 | 137 |
| 175 | 230 |
| 200 | 50 |
| 406 | 400 |
| 75 | 126 |
| 100 | 80 |
| 60 | 130 |
| 175 | 100 |
| 209 | 152 |
| 100 | 75 |

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| Assumptions: |
| Step 1/2: |
| Step 3: |
| Step 4: |
| Step 5: |
| Step 6: |
| Confidence Interval: |
| Effect size: |