The correct answer is \*\*(A) Graph A.\*\* Here's the reasoning:

\* \*\*Understanding the Relationship:\*\* The question states that lower bone density is indicated by lower scores. It also asks us to identify a trend that as women age, their bone density decreases.

\* \*\*Analyzing the Graphs:\*\*

\* \*\*Graph A:\*\* Shows a clear negative trend. As age (x-axis) increases, bone density (y-axis) decreases, meaning the points generally fall from the top left to the bottom right. This aligns with the expected relationship.

\* \*\*Graph B:\*\* Shows a positive trend. As age increases, bone density increases. This contradicts the expected relationship.

\* \*\*Graph C:\*\* Shows no clear trend. The points appear randomly scattered with no apparent relationship between age and bone density. This doesn't represent the expected pattern.

\* \*\*Conclusion:\*\* Only Graph A depicts a decreasing bone density with increasing age, as expected, therefore, the correct answer is (A).