Steps to do graphing techniques
- Determine the transformation transformation
- Determine the associated characteristics
- Determine the type of transformation
- Apply the characteristics to solve the problem

Step 1 - A written description of the transformation
- Two graph on
- Two equations
- Two sets of coordinate (points)
- Determine the transformation

Step 2
- Write the characteristics

Step 3
- Determine the type of transformation
- Apply the characteristics to solve the problem

Problem B7
\[ f(x) \rightarrow f(x) \text{ multiply} \]
\[ \text{multi equation by -1} \]

Problem B15
(two graphs) = Library function
Steps to do graphing techniques
- Determine the transformation
- Determine the associated characteristics
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Step 1
- Written description of the transformation
  - Two graphs or
  - Two equations
  - Two sets of coordinates (points)
  - Determine the transformation

Step 2
  Write the characteristics

Step 3
  Determine the type of transformation
  Apply the characteristics to solve the problem

Problem B7
\( f(x) \Rightarrow -f(x) \)  
Multiply equation by \(-1\)

Problem B15
(two graphs) library function

[Graph of a function with transformations]
Problem A.14 \( y = \sqrt[3]{x^4} \Rightarrow \frac{y^3}{a} \cdot x^4 \)

Step 1: Vertical compression
Step 2: mult all y-coords by \( a \), where \( a = \frac{1}{8} \)

Problem B.1
Step 1: Horizontal reflection
Step 2: Repl all \( x \) with \(-x\)

Final Answer: \( y = \sqrt[3]{-x^4} \)