6-1. Let \( f \) be the function specified by the global input-output rule
\[ x \overset{f}{\longrightarrow} f(x) = +23.92x^5 \]
find the essential global graph of \( f \).

6-2. Let \( f \) be the function specified by the global input-output rule
\[ x \overset{f}{\longrightarrow} f(x) = -82.89x^7 \]
find the essential global graph of \( f \).

6-3. Let \( f \) be the function specified by the global input-output rule
\[ x \overset{f}{\longrightarrow} f(x) = +82.89x^4 \]
find the essential global graph of \( f \).

6-4. Let \( f \) be the function specified by the global input-output rule
\[ x \overset{f}{\longrightarrow} f(x) = -32.51x^4 \]
find the essential global graph of \( f \).
6-5. Let $f$ be the function specified by the global input-output rule
\[ x \xrightarrow{f} f(x) = +29.84x^{-7} \]
find the essential global graph of $f$.

6-6. Let $f$ be the function specified by the global input-output rule
\[ x \xrightarrow{f} f(x) = -75.83x^{-5} \]
find the essential global graph of $f$.

6-7. Let $f$ be the function specified by the global input-output rule
\[ x \xrightarrow{f} f(x) = +92.56x^{-4} \]
find the essential global graph of $f$.

6-8. Let $f$ be the function specified by the global input-output rule
\[ x \xrightarrow{f} f(x) = -77.02x^{-4} \]
find the essential global graph of $f$.

6-9. Given the power function $f$ whose local graph near $\infty$ is
find its local graph near 0.

6-10. Given the power function \( f \) whose local graph near \( \infty \) is

\[
\begin{array}{c|c|c}
\text{Input} & \text{Ruler} & \text{Output} \\
\hline
-\infty & \text{Screen} & +\infty \\
\hline
0 & \text{Screen} & 0 \\
\hline
+\infty & \text{Screen} & -\infty \\
\end{array}
\]

find its local graph near 0.

6-11. Given the power function \( f \) whose local graph near 0 is

\[
\begin{array}{c|c|c}
\text{Input} & \text{Ruler} & \text{Output} \\
\hline
-\infty & \text{Screen} & +\infty \\
\hline
0 & \text{Screen} & 0 \\
\hline
+\infty & \text{Screen} & -\infty \\
\end{array}
\]

find its local graph near \( \infty \).

6-12. Given the power function \( f \) whose local graph near 0 is

\[
\begin{array}{c|c|c}
\text{Input} & \text{Ruler} & \text{Output} \\
\hline
-\infty & \text{Screen} & +\infty \\
\hline
0 & \text{Screen} & 0 \\
\hline
+\infty & \text{Screen} & -\infty \\
\end{array}
\]

find its local graph near \( \infty \).
6-13. Given the *power* function $f$ whose local graph near $+\infty$ is

find its local graph near $0^+$.  

6-14. Given the *power* function $f$ whose local graph near $-\infty$ is

find its local graph near $0^-$.  

6-15. Given the *power* function $f$ whose local graph near $0^+$ is

find its local graph near $+\infty$.  

6-16. Given the *power* function $f$ whose local graph near $0^+$ is
6-17. Given the power function \( f \) whose local graph near \( +\infty \) is

find its local graph near \( 0^- \).

6-18. Given the power function \( f \) whose local graph near \( +\infty \) is

find its local graph near \( 0^- \).

6-19. Given the power function \( f \) whose local graph near \( 0^+ \) is
find its local graph near $-\infty$.

**6-20.** Given the *power* function $f$ whose local graph near $0^-$ is

find its local graph near $+\infty$. 