

Figure 1: Solution: $y = 5x + 7$

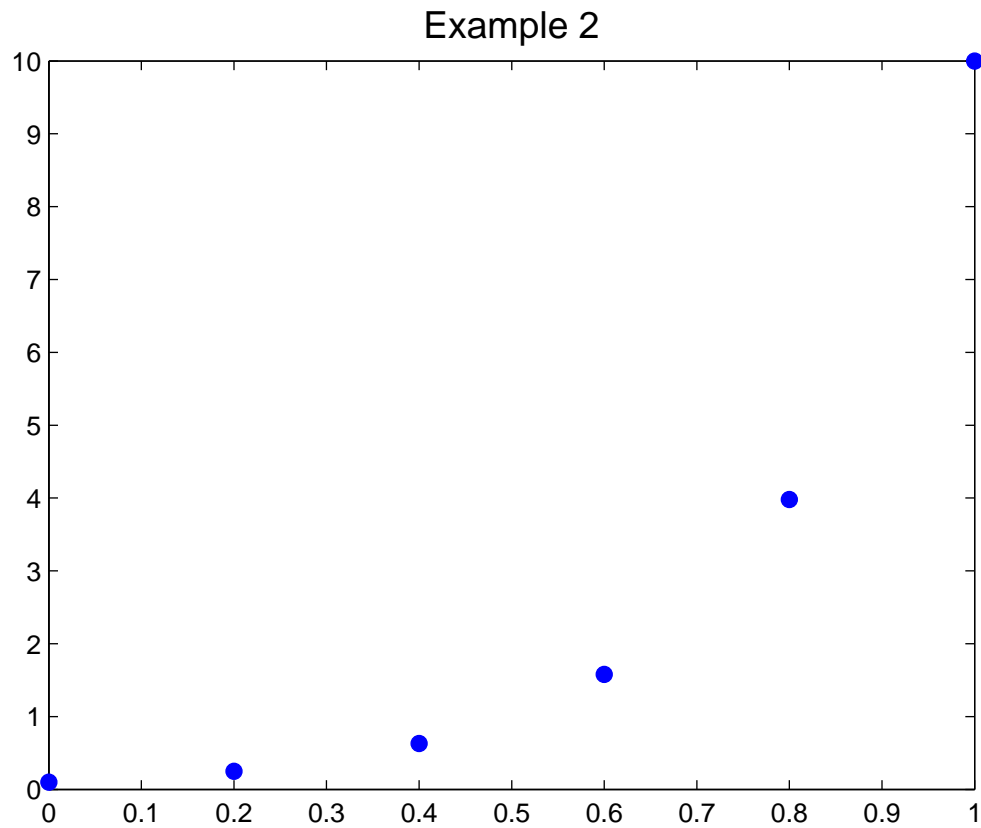


Figure 2: For this example the data is not linear on a standard plot. This same data is plotted on a semilog plot in the next figure.

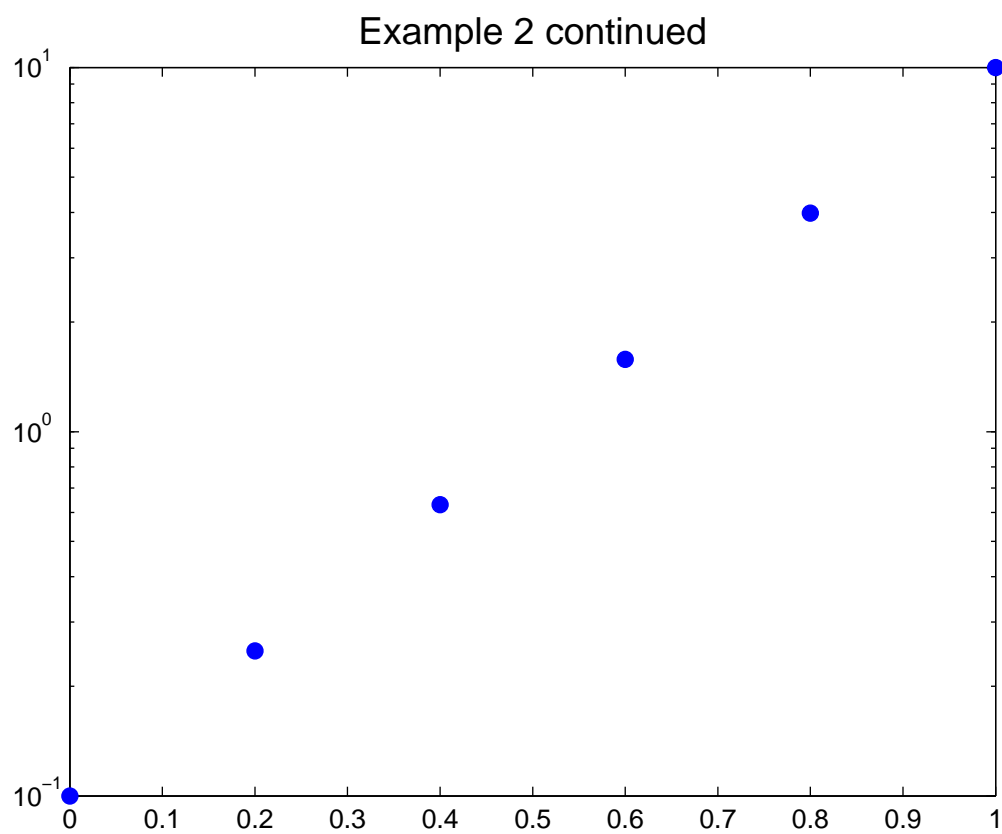


Figure 3: Solution: $y = 10^{-1} \cdot 10^{2x}$.

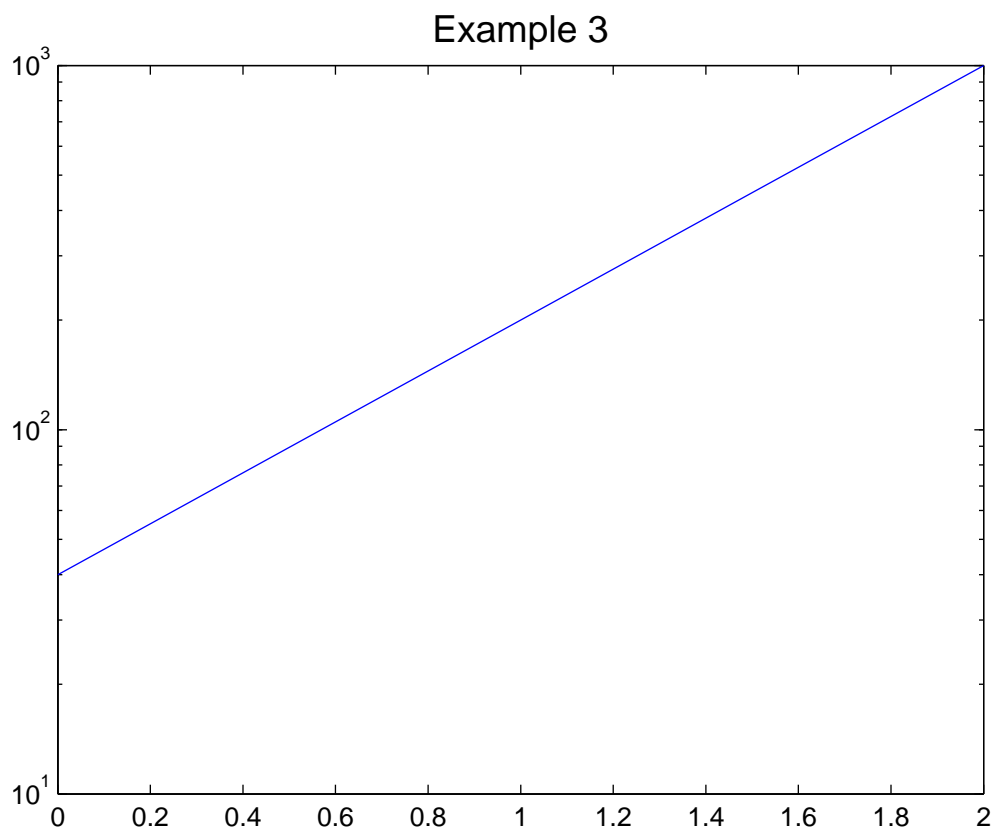


Figure 4: Solution: $y = 40 \cdot 5^x$.

Example 4

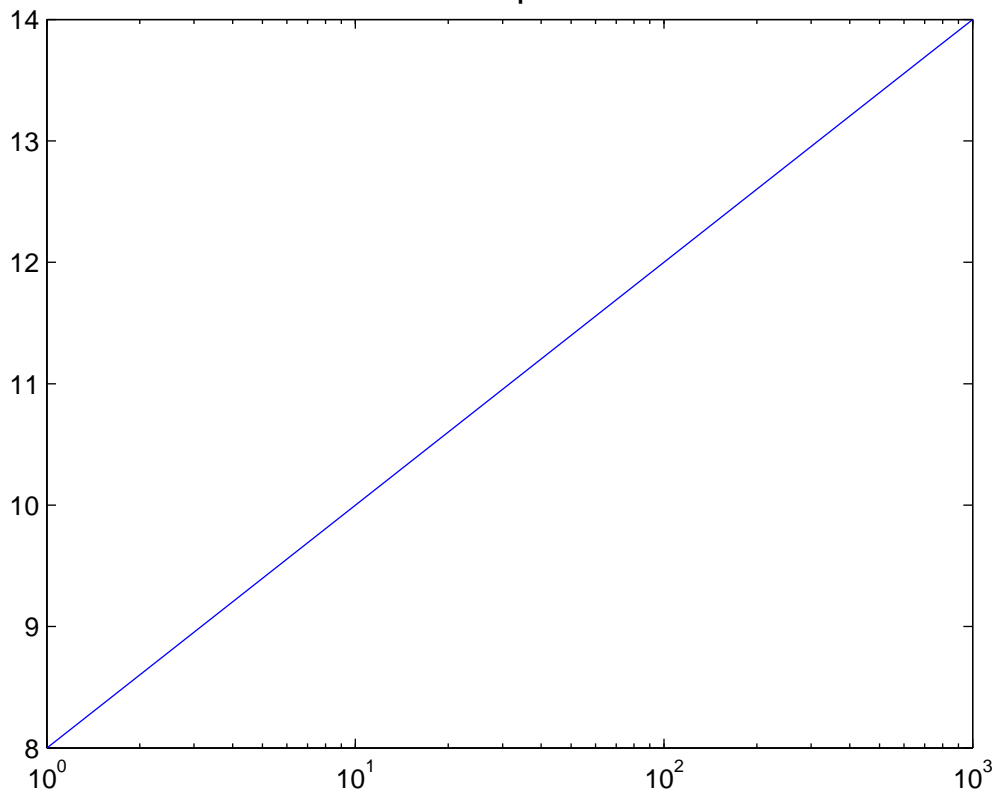


Figure 5: Solution: $y = 2 \log x + 8$.

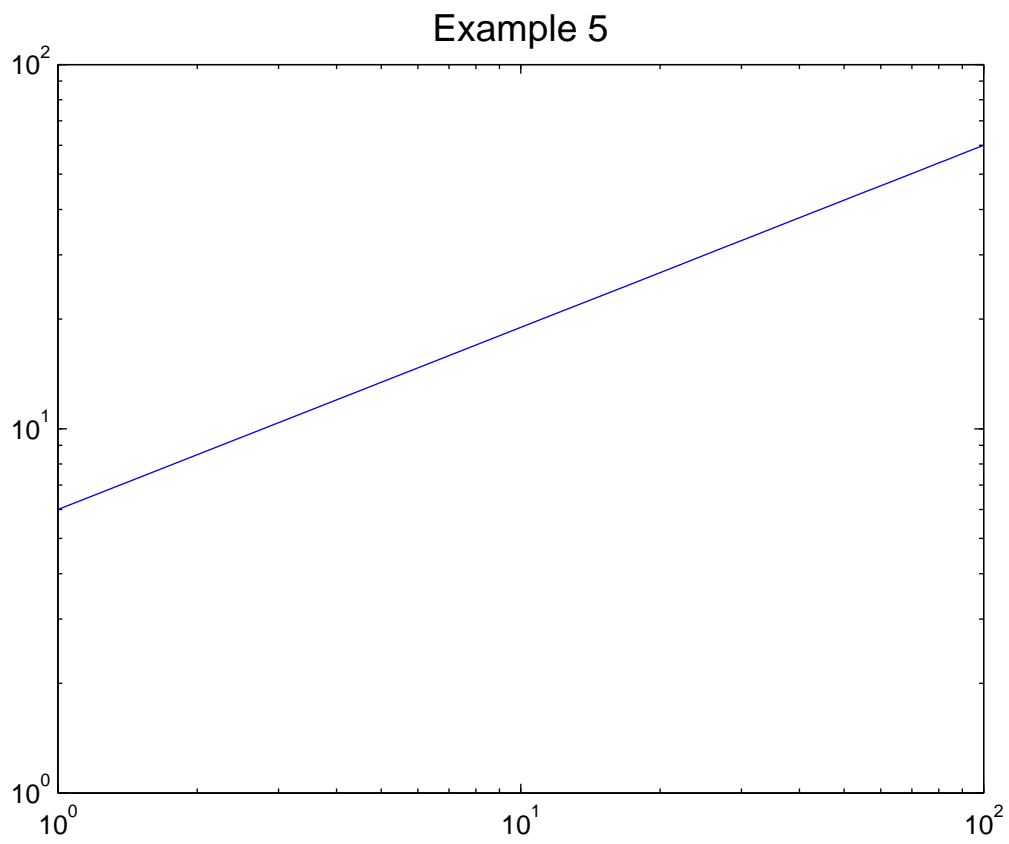


Figure 6: Solution: $y = 6\sqrt{x}$.

Example 6

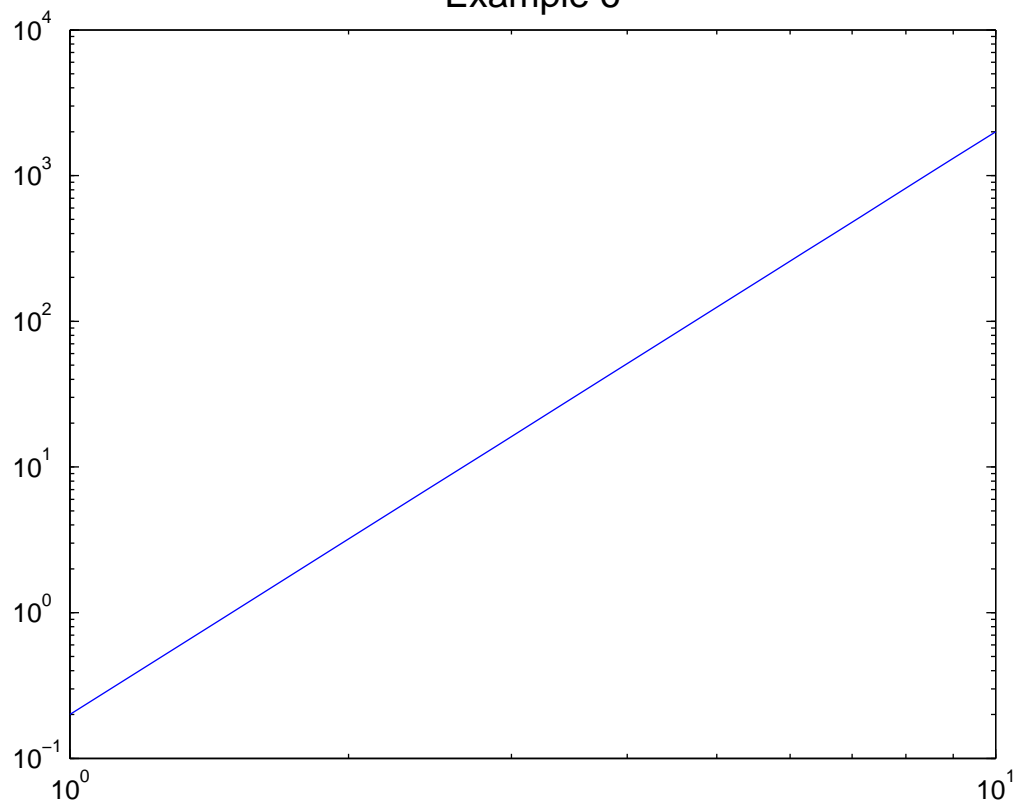


Figure 7: Solution: $y = \frac{1}{5}x^4$.