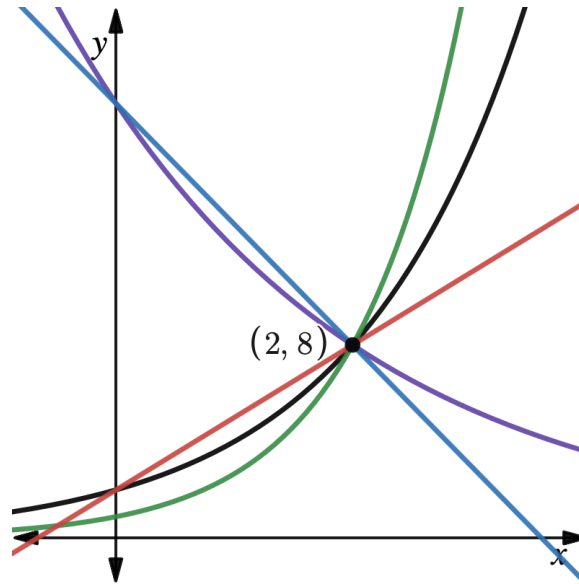


Function Flurry

The graphs of five functions, w , g , h , j , and k are shown.

Equations for w , g , h , j , and k are given, where A , B , C , D , E , and F are constants.

$$\begin{aligned}w(x) &= A \cdot 2^x \\g(x) &= 18 + Bx \\h(x) &= C \cdot D^x \\j(x) &= E + 3x \\k(x) &= F \cdot 3^x\end{aligned}$$



1. Label the graphs of w , g , h , j , and k .
2. Order the following from least to greatest: $w(1)$, $g(1)$, $h(1)$, $j(1)$, $k(1)$.
3. Order the following from least to greatest: $w(100)$, $g(100)$, $h(100)$, $j(100)$, $k(100)$.
4. Find $\frac{k(15)}{k(13)}$.
5. Find $j(15) - j(13)$.
6. Find the values of A , B , C , D , E , and F . Clearly demonstrate your strategy.