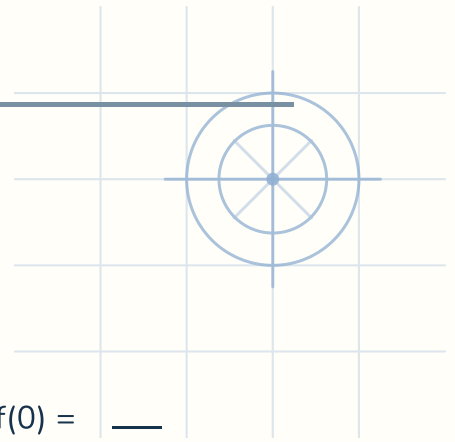


Exponential functions — Finding $f(x)$

Name: _____

Date: _____

Evaluate each exponential function at the value given.



1 $f(x) = 4 \cdot 4^x$ $f(4) =$ _____

2 $f(x) = 5 \cdot 10^x$ $f(0) =$ _____

3 $f(x) = 4 \cdot 6^x$ $f(3) =$ _____

4 $f(x) = 2 \cdot 6^x$ $f(0) =$ _____

5 $f(x) = 8 \cdot 3^x$ $f(3) =$ _____

6 $f(x) = 10 \cdot 9^x$ $f(2) =$ _____

7 $f(x) = 2 \cdot 4^x$ $f(1) =$ _____

8 $f(x) = 12 \cdot 3^x$ $f(5) =$ _____

9 $f(x) = 5 \cdot 9^x$ $f(0) =$ _____

10 $f(x) = 5 \cdot 2^x$ $f(5) =$ _____



Exponential functions · Finding $f(x)$ — Answer key

1. $f(x) = 4 \cdot 4^x \rightarrow f(4) = 1024$

2. $f(x) = 5 \cdot 10^x \rightarrow f(0) = 5$

3. $f(x) = 4 \cdot 6^x \rightarrow f(3) = 864$

4. $f(x) = 2 \cdot 6^x \rightarrow f(0) = 2$

5. $f(x) = 8 \cdot 3^x \rightarrow f(3) = 216$

6. $f(x) = 10 \cdot 9^x \rightarrow f(2) = 810$

7. $f(x) = 2 \cdot 4^x \rightarrow f(1) = 8$

8. $f(x) = 12 \cdot 3^x \rightarrow f(5) = 2916$

9. $f(x) = 5 \cdot 9^x \rightarrow f(0) = 5$

10. $f(x) = 5 \cdot 2^x \rightarrow f(5) = 160$

