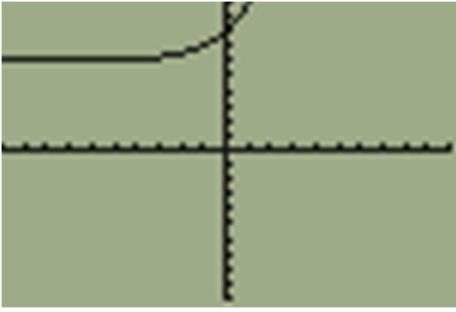


Parent function $y = 2(2)^x$

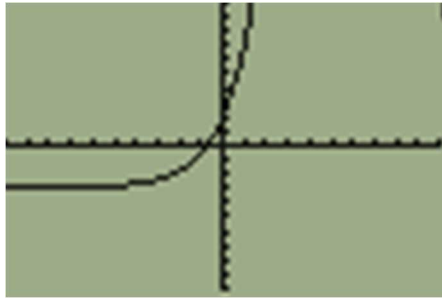
y-intercept: _____



Transformation: _____

Parent function $y = 5(2)^x$

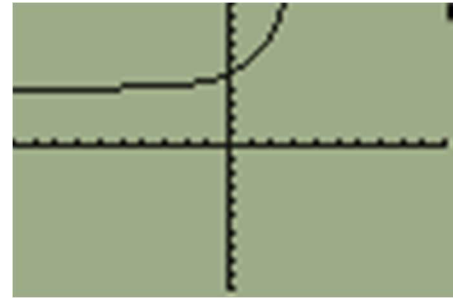
y-intercept: _____



Transformation: _____

Parent function $y = 2^x$

y-intercept: _____



Transformation _____

HOMEWORK

Describe the transformations

1. $f(x) = 2^x + 5$

y-intercept: _____

2. $f(x) = 3(2)^{(x-4)}$

y-intercept: _____

3. $f(x) = 6(2)^x + 8$

y-intercept: _____

4. Given the parent function $f(x) = 2^x$ write the function that is translated 7 units to the left and 4 units down with a y-intercept of (0, 5).

5. Given the parent function $f(x) = 2^x$ write the function that is translated up 6 units.

6. Given the original function $f(x) = 2^{(x-3)} + 8$ what translation has happened to $f(x) = 2^{(x-1)} + 8$

7. Parent Function $y = 2^x$

y-intercept: _____

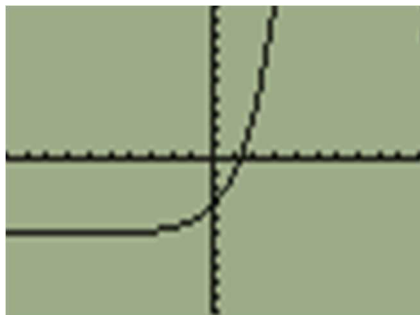
transformation: _____



8. Parent function: $2(2)^x$

y-intercept: _____

transformation: _____



9. Parent function $5(2)^x$

y-intercept: _____

transformation: _____

