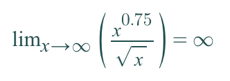
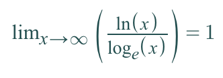
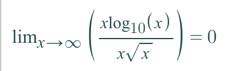
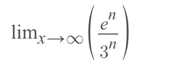
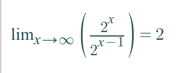
Homework #1

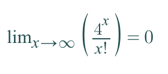
1a.) because 

1b.) because 

1c.) because 

1d.) because = 0

1e.) because 

1f.) because 

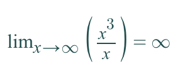
2a.) If f1(n) = Ω(g(n)) and f2(n) = O(g(n)) then f1(n)= Θ (f2(n) )

Prove false with counter-example:

Let , , and

and

BUT,

Because 

2b.)