2014   **3**   What is the solution to the equation $\log_2(x - 1) = 8$?   **1**

(A) 4   (B) 17   (C) 65   (D) 257

D

$$\log_2(x - 1) = 8$$
$$x - 1 = 2^8$$
$$x - 1 = 256$$
$$x = 257$$

State Mean:
0.68