Bellwork Thursday 12/07

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The world's population las grown at an average rate of 1.9 percent per year since 1945. There were approximately 4 billion people in the world in 1975. Which of the following functions represents the world's population P, in billions of people, t years since 1975? (1 billion = 1,000,000,000)

A) $P(t) = 4(1.019)^t$

- B) $P(t) = 4(1.9)^t$
- C) P(t) = 1.19t + 4
- D) P(t) = 1.019t + 4

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y = a b x y=4 (1.019)