

S.ID.B.6: Regression 5
Answer Section

1 ANS: 3 REF: 061127a2

2 ANS: 2 REF: 061804aai

3 ANS: 3

The pattern suggests an exponential pattern, not linear or sinusoidal. A 4% growth rate is accurate, while a 43% growth rate is not.

REF: 011713aai

4 ANS: 1 REF: 082406aai

5 ANS:

$y = 836.47(2.05)^x$ The data appear to grow at an exponential rate. $y = 836.47(2.05)^2 \approx 3515$.

REF: fall1313ai