Creating Exponential Equations

Unit 3: Comparing Functions - Modeling & Transformations

Find the EXPONENTIAL equation of the line that best describes the provided information.

1. (-5, 96) and $\left(2, \frac{3}{4}\right)$	2. (0, -5) and (3, -135)
3. $\left(-1, \frac{1}{4}\right)$ and (7, 64)	4. $\left(-1, \frac{1}{20}\right)$ and $\left(6, \frac{15625}{4}\right)$
5. $\left(0, \frac{-1}{4}\right)$ and (8, -16384)	6. $\left(0, \frac{-1}{8}\right)$ and $(7, -262144)$

7. (-3, 1) and (3, 64)	8. $\left(-1, \frac{7}{2}\right)$ and (6, 448)
9. (-8, -768) and $\left(2, \frac{-3}{4}\right)$	10. $\left(1, \frac{-1}{8}\right)$ and (-5, -32768)
11. (-1, -1) and (9, -1024)	12. (2, -576) and (6, -2359296)