

Warm Up 3.1

Name _____ Period _____

Find the missing values in the geometric sequences below.

1.

x	1	2	3	4
y	7			875

2.

x	1	2	3	4	5
y	6				96

3. Explain the process you use to find the common ratio for the sequences above.

4. Explain the similarities and differences between a geometric sequence and an exponential equation?

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Simplify each of the following.

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6. $7^3 \cdot 7^5$

7. $(3^4)^5 \cdot 3^2$

8. $\frac{x^5}{x^2} \cdot x^7$

9. $\frac{y^2}{y^6}$

10. $b^7 \cdot b^{-9}$

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