

Algebra 1: 4.2 Warm Up
Arithmetic and Geometric Sequences

Name _____ Period ____

Write the next 3 terms in each sequence and explain how you generated each term.

1. -13, -8, -3, 2, 7, _____, _____, _____, ...
2. -2, 4, -8, 16, _____, _____, _____, ...
3. 60, 53, 46, 39, 32, _____, _____, _____, ...

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Warm Up

Write the next three terms in each sequence and explain how you generated each term.

a. $-13, -8, -3, 2, 7, \dots$

$12, 17, 22$

Add 5 to the previous term

b. $-2, 4, -8, 16, \dots$

$-32, 64, -128$

Multiply the previous term by -2

c. $60, 53, 46, 39, 32, \dots$

$25, 18, 11$

Subtract 7 from the previous term