

Algebra 1: 4.1 Warm Up
Recognizing Patterns and Sequences

Name _____ Period _____

Write the next 3 terms in each pattern and explain how you generated each term.
Hint: For the letters, think about what each letter represents.

1. J, F, M, A, M, J, J, A, S...
2. S, M, T, W...
3. 5, 10, 15, 20...
4. 100, 81, 64, 49...

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Answer Key:

a. J, F, M, A, M, J, J, A, S. . . .

O, N, D

They are the first letter of each month of the year

b. S, M, T, W. . . .

T, F, S

They are the first letter of each day of the week

c. 5, 10, 15, 20. . . .

25, 30, 35

They are all increasing by 5.

d. 100, 81, 64, 49. . . .

36, 25, 16

They are all decreasing perfect square numbers beginning with 10