17 Monelle started an arithmetic sequence. The first four terms of her sequence are shown below.

$$13, \ 9, \ 5, \ 1, \ldots$$

a. What is the common difference for Monelle's sequence? Show or explain how you got your answer.

b. What is the **sixth** term of Monelle's sequence? Show or explain how you got your answer.

Nevin started a geometric sequence. The first four terms of his sequence are shown below.

$$162, \ 54, \ 18, \ 6, \ldots$$

c. What is the **sixth** term of Nevin's sequence? Show or explain how you got your answer.

d. Write an expression that represents the nth term of Nevin's sequence.