**Fibonacci Sequences**

Determine whether each of these sequences is a Fibonacci-like sequence.

(a) $1, 1, 2, 3, 5, 8, 13,…$

(b) $1, 2, 3, 6, 11, 20, 37,…$

(c) $2, 4, 6, 10, 16, 26,…$

(d) $-1, 3, 2, 5, 7, 12,…$

Find the next four terms in each of these Fibonacci-like sequences.

(a) $2, 5, $\_\_\_ $,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_$ ,…$

(b) $3, 4, $\_\_\_ $,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_$ ,…$

(c) $1, 3,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_$ ,…$

(d) $-2, 4, $\_\_\_ $,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_$ ,…$

(e) $1.6, 4.3,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_ $,$ \_\_\_$ ,…$

(a) The first two terms of a Fibonacci sequence are the first two prime numbers. Find the next four terms in the sequence.

(b) The first two terms of a Fibonacci sequence are the first two triangular numbers. Find the next four terms in the sequence.

(a) Milly think that $70$ is in the Fibonacci-like sequence that starts $6, 10, 16, 26,…$ Is Milly correct? Explain your answer.

(b) A Fibonacci-like sequence contains the third term $10$. Suggest two possible sequences and give their first five terms.

(c) The sum of the first three terms of a Fibonacci-like sequence is zero. What is the third term?

(d) The first two terms of a Fibonacci-like sequence are $a$ and $2a$. Find the next five terms of the sequence.

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