Integer patterns

Find the rule, then write the next two numbers.

Name: _____

Score: _____ / 10

1. 3, −6, 12, −24, _____, _____

2. 5, −3, −11, −19, _____, _____

3. 16, 9, 2, −5, _____, _____

4. −20, −15, −10, −5, _____, _____

5. −17, −12, −7, −2, _____, _____

6. 27, 18, 9, 0, _____, _____

7. 15, 7, −1, −9, _____, _____

8. −26, −23, −20, −17, _____, _____

9. −11, −6, −1, 4, _____, _____

10. −14, −9, −4, 1, _____, _____

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Answer key: Integer patterns

1. 3, −6, 12, −24, 48, −96 (multiply by −2 each time)
2. 5, −3, −11, −19, −27, −35 (take away 8 each time)
3. 16, 9, 2, −5, −12, −19 (take away 7 each time)
4. −20, −15, −10, −5, 0, 5 (add 5 each time)
5. −17, −12, −7, −2, 3, 8 (add 5 each time)
6. 27, 18, 9, 0, −9, −18 (take away 9 each time)
7. 15, 7, −1, −9, −17, −25 (take away 8 each time)
8. −26, −23, −20, −17, −14, −11 (add 3 each time)
9. −11, −6, −1, 4, 9, 14 (add 5 each time)
10. −14, −9, −4, 1, 6, 11 (add 5 each time)

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