

Arithmetic Sequence HW

Find the common difference. Determine whether each sequence is arithmetic or not. If it is an arithmetic sequence, find the next 3 terms.

1. 7, 5, 3, 1 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

2. 15, 12, 9, 5 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

3. -2, 2, 6, 10 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

4. -40, -50, -60, -70 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

5. 3, 2, -1, -2 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

6. 0.8, 1, 1.2, 1.4 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

7. -18, -15, -12, -9 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____

8. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1 ...

Arithmetic sequence? Yes or No Common difference _____

Next 3 terms: _____, _____, _____