PRACTICE Quiz 5.1 Arithmetic Sequences

Determine if the sequence is arithmetic. If it is, find the common difference, the 52nd term, and the explicit formula.

Is it arithmetic:

Common difference:

52nd term: _____

Explicit formula: a(n)=_____

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1)
$$-14$$
, -12 , -10 , -8 , ...

Is it arithmetic:

Common difference:

52nd term:

Explicit formula: a(n)=_____

Common Difference: d = 2 $a_{52} = 88$

Explicit: $a_n = -14 + (n-1) \cdot 2$

Is it arithmetic:

Common difference:

52nd term: _____

Explicit formula: a(n)=_____

Common Difference: d = -30

 $a_{52} = -1568$

Explicit: $a_n = -38 + (n-1) \cdot -30$

Is it arithmetic: _____

Common difference:

52nd term: _____

Explicit formula: a(n)=_____

Common Difference: d = -200

 $a_{52} = -10215$

Explicit: $a_n = -15 + (n-1) \cdot -200$

Is it arithmetic: _____

Common difference: _____

52nd term: _____

Explicit formula: a(n)=_____

Common Difference: d = -100

 $a_{52} = -5079$

Explicit: $a_n = 21 + (n-1) \cdot -100$