Sequences with the Classpad

To form a list of terms from an **Explicit Relation**.

Find the 4th, 8th and 20th terms in the sequence defined by tn = 3n + 5

From the **Menu** tap **Sequence**. Then tap the **Explicit** tab.

 

Type the **Explicit Relation** and press **EXE**. Note: the n is on the menu bar.

 

Tap the left hand icon on the menu bar.

 

Scroll down to find the value of the terms. 17, 29, 65.

To form a list of terms from a **Recurrence Relation**.

Find the 4th, 8th and 20th terms in the sequence defined by tn+1 = 3 tn + 5, t1 = 3

From the **Menu** tap **Sequence**. Then tap the **Recursive** tab.

 

 Select the initial conditions n+1 a1 from the third icon from the left on the menu bar.

 

Type the **Recurrence Relation** and press **EXE,** then enter the first term and press **EXE**.

Note: the an is in the top menu bar.

 

Tap the left hand icon on the menu bar.

 

Scroll down to find the value of the terms. 146, 12026, 6.4 × 109