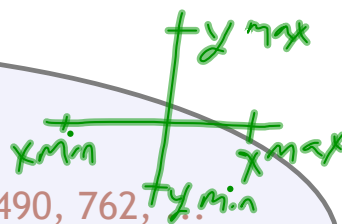


Warm Up



Given the sequence 0, 22, 70, 156, 292, 490, 762, ...

Determine the value of t_{75}

$$D_1: 22, 48, 86, 136$$

$$D_2: 26, 38, 50$$

$$D_3: 12, 12, \dots \therefore \text{Cubic Sequence}$$

HOMework...

Worksheet - Levels of Differences.doc

Worksheet Solns - Levels of Differences.doc

```
CubicReg  
y=ax3+bx2+cx+d  
a=2  
b=3.3E-11  
c=-2  
d=1  
R2=1
```

$$b = 3.3 \times 10^{-11}$$

$$0.000000000033$$

Attachments

Worksheet - Complex Numbers.doc

Worksheet - Converting Polar_Rectangular Coordinates.doc

Worksheet Solns - Complex Numbers.doc