




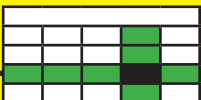
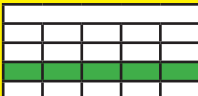




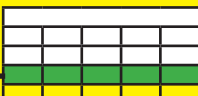


Worksheets A1.a-d: For use with Table 5.2 (Fixed-rate growth), Table 5.3 (Integrated Fixed-rate growth) and Table 6.1 (Fixed-rate inflation).

(a) Determining a Final Value	
Inputs Needed: <i>Rate, Duration, Initial Value</i>	
1. Enter <i>Rate</i> (in annual percent):	
2. Enter <i>Duration</i> (in years):	
3. Locate row with <i>Rate</i> .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Rate —</div>  </div>
4. Locate column with <i>Duration</i> .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Duration —</div>  </div>
5. Enter value from box at the row-column intersection:	
6. Enter <i>Initial Value</i> (in dollars):	
7. Multiply Box 6 by Box 5 for the <i>Final Value</i> :	

(b) Determining a Rate	
Inputs Needed: <i>Final Value, Initial Value, Duration</i>	
1. Enter <i>Final Value</i> (in dollars):	
2. Enter <i>Initial Value</i> (in dollars):	
3. Divide Box 1 by Box 2.	
4. Enter <i>Duration</i> (in years):	
5. Locate column with <i>Duration</i> .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Duration —</div>  </div>
6. Find the value in the duration column closest to the value in Box 3.	
7. Result is the <i>Rate</i> for the corresponding row:	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Rate —</div>  </div>

For examples see Chapter 5: Examples 5.1 through 5.13; Chapter 6: Examples 6.1 through 6.9.

(c) Determining a Duration	
Inputs Needed: <i>Final value, Initial Value, Rate</i>	
1. Enter <i>Final Value</i> (in dollars):	
2. Enter <i>Initial Value</i> (in dollars):	
3. Divide Box 1 by Box 2.	
4. Enter <i>Rate</i> (in annual percent):	
5. Locate row with the <i>Rate</i> .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Rate ———</div>  </div>
6. Find the value in the rate row closest to the value in Box 3.	
7. Result is the <i>Duration</i> for the corresponding column:	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Duration ———</div>  </div>

(d) Determining an Initial Value	
Inputs Needed: <i>Rate, Duration, Final Value</i>	
1. Enter <i>Rate</i> (in annual percent):	
2. Enter <i>Duration</i> (in years):	
3. Locate row with <i>Rate</i> .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Rate ———</div>  </div>
4. Locate column with <i>Duration</i> .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Duration ———</div>  </div>
5. Enter value from box at the row-column intersection:	
6. Enter <i>Final Value</i> (in dollars):	
7. Divide Box 6 by Box 5 for the <i>Initial Value</i> :	