

	A	B	C	D	E	F	G	H
1	[Student's Name]							
2	FIL 260 - Trefzger							
3	Monthly Mortgage Loan Payments							
4	Fixed-Rate Loan, Up to 30 Years							
5								
6								
7		Amortization	Annual	Amortization	Monthly	Monthly	Compare to	
8	Amount	Period in	Interest	Period in	Interest	Payment	Monthly	
9	Borrowed	Years	Rate (APR)	Months	Rate (APR + 12)	based on	Payment	
10	200000	27	0.054	=B10*12	=C10/12	standard formula	with Excel	
11						=E10*(1-(1/(1+E10))^D10)*A10	computation	
12								
13								
14								
15								
16						Monthly		
17					Amount Owed	Payment		
18	Month	Payments	Beginning	Plus	Before	based on	Principal	Ending
19		Remaining	Prin. Bal.	Interest	Payment	remaining	Portion of	Principal
20	=A19+1	=IF(SD\$10-A19>0,SD\$10-A19,"")	=H19	=IF(A20<=SD\$10,SE\$10*C20,"")	=IF(A20<=SD\$10,C20+D20,"")	=IF(A20<=SD\$10,SE\$10*(1-(1+SE\$10)^B20)*C20,"")	=IF(A20<=SD\$10,F20-D20,"")	=IF(A20<=SD\$10,C20-G20,"")
21	=A20+1	=IF(SD\$10-A20>0,SD\$10-A20,"")	=IF(H20>0,H20,"")	=IF(A21<=SD\$10,SE\$10*C21,"")	=IF(A21<=SD\$10,C21+D21,"")	=IF(A21<=SD\$10,SE\$10*(1-(1+SE\$10)^B21)*C21,"")	=IF(A21<=SD\$10,F21-D21,"")	=IF(A21<=SD\$10,C21-G21,"")
22	=A21+1	=IF(SD\$10-A21>0,SD\$10-A21,"")	=IF(H21>0,H21,"")	=IF(A22<=SD\$10,SE\$10*C22,"")	=IF(A22<=SD\$10,C22+D22,"")	=IF(A22<=SD\$10,SE\$10*(1-(1+SE\$10)^B22)*C22,"")	=IF(A22<=SD\$10,F22-D22,"")	=IF(A22<=SD\$10,C22-G22,"")
23	=A22+1	=IF(SD\$10-A22>0,SD\$10-A22,"")	=IF(H22>0,H22,"")	=IF(A23<=SD\$10,SE\$10*C23,"")	=IF(A23<=SD\$10,C23+D23,"")	=IF(A23<=SD\$10,SE\$10*(1-(1+SE\$10)^B23)*C23,"")	=IF(A23<=SD\$10,F23-D23,"")	=IF(A23<=SD\$10,C23-G23,"")
24	=A23+1	=IF(SD\$10-A23>0,SD\$10-A23,"")	=IF(H23>0,H23,"")	=IF(A24<=SD\$10,SE\$10*C24,"")	=IF(A24<=SD\$10,C24+D24,"")	=IF(A24<=SD\$10,SE\$10*(1-(1+SE\$10)^B24)*C24,"")	=IF(A24<=SD\$10,F24-D24,"")	=IF(A24<=SD\$10,C24-G24,"")
25	=A24+1	=IF(SD\$10-A24>0,SD\$10-A24,"")	=IF(H24>0,H24,"")	=IF(A25<=SD\$10,SE\$10*C25,"")	=IF(A25<=SD\$10,C25+D25,"")	=IF(A25<=SD\$10,SE\$10*(1-(1+SE\$10)^B25)*C25,"")	=IF(A25<=SD\$10,F25-D25,"")	=IF(A25<=SD\$10,C25-G25,"")
26	=A25+1	=IF(SD\$10-A25>0,SD\$10-A25,"")	=IF(H25>0,H25,"")	=IF(A26<=SD\$10,SE\$10*C26,"")	=IF(A26<=SD\$10,C26+D26,"")	=IF(A26<=SD\$10,SE\$10*(1-(1+SE\$10)^B26)*C26,"")	=IF(A26<=SD\$10,F26-D26,"")	=IF(A26<=SD\$10,C26-G26,"")

Continue pasting down

338	=A337+1	=IF(SD\$10-A337>0,SD\$10-A337,"")	=IF(H337>0,H337,"")	=IF(A338<=SD\$10,SE\$10*C338,"")	=IF(A338<=SD\$10,C338+D338,"")	=IF(A338<=SD\$10,SE\$10*(1-(1+SE\$10)^B338)*C338,"")	=IF(A338<=SD\$10,F338-D338,"")	=IF(A338<=SD\$10,C338-G338,"")
339	=A338+1	=IF(SD\$10-A338>0,SD\$10-A338,"")	=IF(H338>0,H338,"")	=IF(A339<=SD\$10,SE\$10*C339,"")	=IF(A339<=SD\$10,C339+D339,"")	=IF(A339<=SD\$10,SE\$10*(1-(1+SE\$10)^B339)*C339,"")	=IF(A339<=SD\$10,F339-D339,"")	=IF(A339<=SD\$10,C339-G339,"")
340	=A339+1	=IF(SD\$10-A339>0,SD\$10-A339,"")	=IF(H339>0,H339,"")	=IF(A340<=SD\$10,SE\$10*C340,"")	=IF(A340<=SD\$10,C340+D340,"")	=IF(A340<=SD\$10,SE\$10*(1-(1+SE\$10)^B340)*C340,"")	=IF(A340<=SD\$10,F340-D340,"")	=IF(A340<=SD\$10,C340-G340,"")
341	=A340+1	=IF(SD\$10-A340>0,SD\$10-A340,"")	=IF(H340>0,H340,"")	=IF(A341<=SD\$10,SE\$10*C341,"")	=IF(A341<=SD\$10,C341+D341,"")	=IF(A341<=SD\$10,SE\$10*(1-(1+SE\$10)^B341)*C341,"")	=IF(A341<=SD\$10,F341-D341,"")	=IF(A341<=SD\$10,C341-G341,"")
342	=A341+1	=IF(SD\$10-A341>0,SD\$10-A341,"")	=IF(H341>0,H341,"")	=IF(A342<=SD\$10,SE\$10*C342,"")	=IF(A342<=SD\$10,C342+D342,"")	=IF(A342<=SD\$10,SE\$10*(1-(1+SE\$10)^B342)*C342,"")	=IF(A342<=SD\$10,F342-D342,"")	=IF(A342<=SD\$10,C342-G342,"")
343	=A342+1	=IF(SD\$10-A342>0,SD\$10-A342,"")	=IF(H342>0,H342,"")	=IF(A343<=SD\$10,SE\$10*C343,"")	=IF(A343<=SD\$10,C343+D343,"")	=IF(A343<=SD\$10,SE\$10*(1-(1+SE\$10)^B343)*C343,"")	=IF(A343<=SD\$10,F343-D343,"")	=IF(A343<=SD\$10,C343-G343,"")
344	=A343+1	=IF(SD\$10-A343>0,SD\$10-A343,"")	=IF(H343>0,H343,"")	=IF(A344<=SD\$10,SE\$10*C344,"")	=IF(A344<=SD\$10,C344+D344,"")	=IF(A344<=SD\$10,SE\$10*(1-(1+SE\$10)^B344)*C344,"")	=IF(A344<=SD\$10,F344-D344,"")	=IF(A344<=SD\$10,C344-G344,"")
345	=A344+1	=IF(SD\$10-A344>0,SD\$10-A344,"")	=IF(H344>0,H344,"")	=IF(A345<=SD\$10,SE\$10*C345,"")	=IF(A345<=SD\$10,C345+D345,"")	=IF(A345<=SD\$10,SE\$10*(1-(1+SE\$10)^B345)*C345,"")	=IF(A345<=SD\$10,F345-D345,"")	=IF(A345<=SD\$10,C345-G345,"")
346	=A345+1	=IF(SD\$10-A345>0,SD\$10-A345,"")	=IF(H345>0,H345,"")	=IF(A346<=SD\$10,SE\$10*C346,"")	=IF(A346<=SD\$10,C346+D346,"")	=IF(A346<=SD\$10,SE\$10*(1-(1+SE\$10)^B346)*C346,"")	=IF(A346<=SD\$10,F346-D346,"")	=IF(A346<=SD\$10,C346-G346,"")
347	=A346+1	=IF(SD\$10-A346>0,SD\$10-A346,"")	=IF(H346>0,H346,"")	=IF(A347<=SD\$10,SE\$10*C347,"")	=IF(A347<=SD\$10,C347+D347,"")	=IF(A347<=SD\$10,SE\$10*(1-(1+SE\$10)^B347)*C347,"")	=IF(A347<=SD\$10,F347-D347,"")	=IF(A347<=SD\$10,C347-G347,"")
348	=A347+1	=IF(SD\$10-A347>0,SD\$10-A347,"")	=IF(H347>0,H347,"")	=IF(A348<=SD\$10,SE\$10*C348,"")	=IF(A348<=SD\$10,C348+D348,"")	=IF(A348<=SD\$10,SE\$10*(1-(1+SE\$10)^B348)*C348,"")	=IF(A348<=SD\$10,F348-D348,"")	=IF(A348<=SD\$10,C348-G348,"")
349	=A348+1	=IF(SD\$10-A348>0,SD\$10-A348,"")	=IF(H348>0,H348,"")	=IF(A349<=SD\$10,SE\$10*C349,"")	=IF(A349<=SD\$10,C349+D349,"")	=IF(A349<=SD\$10,SE\$10*(1-(1+SE\$10)^B349)*C349,"")	=IF(A349<=SD\$10,F349-D349,"")	=IF(A349<=SD\$10,C349-G349,"")
350	=A349+1	=IF(SD\$10-A349>0,SD\$10-A349,"")	=IF(H349>0,H349,"")	=IF(A350<=SD\$10,SE\$10*C350,"")	=IF(A350<=SD\$10,C350+D350,"")	=IF(A350<=SD\$10,SE\$10*(1-(1+SE\$10)^B350)*C350,"")	=IF(A350<=SD\$10,F350-D350,"")	=IF(A350<=SD\$10,C350-G350,"")
351	=A350+1	=IF(SD\$10-A350>0,SD\$10-A350,"")	=IF(H350>0,H350,"")	=IF(A351<=SD\$10,SE\$10*C351,"")	=IF(A351<=SD\$10,C351+D351,"")	=IF(A351<=SD\$10,SE\$10*(1-(1+SE\$10)^B351)*C351,"")	=IF(A351<=SD\$10,F351-D351,"")	=IF(A351<=SD\$10,C351-G351,"")
352	=A351+1	=IF(SD\$10-A351>0,SD\$10-A351,"")	=IF(H351>0,H351,"")	=IF(A352<=SD\$10,SE\$10*C352,"")	=IF(A352<=SD\$10,C352+D352,"")	=IF(A352<=SD\$10,SE\$10*(1-(1+SE\$10)^B352)*C352,"")	=IF(A352<=SD\$10,F352-D352,"")	=IF(A352<=SD\$10,C352-G352,"")
353	=A352+1	=IF(SD\$10-A352>0,SD\$10-A352,"")	=IF(H352>0,H352,"")	=IF(A353<=SD\$10,SE\$10*C353,"")	=IF(A353<=SD\$10,C353+D353,"")	=IF(A353<=SD\$10,SE\$10*(1-(1+SE\$10)^B353)*C353,"")	=IF(A353<=SD\$10,F353-D353,"")	=IF(A353<=SD\$10,C353-G353,"")
354	=A353+1	=IF(SD\$10-A353>0,SD\$10-A353,"")	=IF(H353>0,H353,"")	=IF(A354<=SD\$10,SE\$10*C354,"")	=IF(A354<=SD\$10,C354+D354,"")	=IF(A354<=SD\$10,SE\$10*(1-(1+SE\$10)^B354)*C354,"")	=IF(A354<=SD\$10,F354-D354,"")	=IF(A354<=SD\$10,C354-G354,"")
355	=A354+1	=IF(SD\$10-A354>0,SD\$10-A354,"")	=IF(H354>0,H354,"")	=IF(A355<=SD\$10,SE\$10*C355,"")	=IF(A355<=SD\$10,C355+D355,"")	=IF(A355<=SD\$10,SE\$10*(1-(1+SE\$10)^B355)*C355,"")	=IF(A355<=SD\$10,F355-D355,"")	=IF(A355<=SD\$10,C355-G355,"")
356	=A355+1	=IF(SD\$10-A355>0,SD\$10-A355,"")	=IF(H355>0,H355,"")	=IF(A356<=SD\$10,SE\$10*C356,"")	=IF(A356<=SD\$10,C356+D356,"")	=IF(A356<=SD\$10,SE\$10*(1-(1+SE\$10)^B356)*C356,"")	=IF(A356<=SD\$10,F356-D356,"")	=IF(A356<=SD\$10,C356-G356,"")
357	=A356+1	=IF(SD\$10-A356>0,SD\$10-A356,"")	=IF(H356>0,H356,"")	=IF(A357<=SD\$10,SE\$10*C357,"")	=IF(A357<=SD\$10,C357+D357,"")	=IF(A357<=SD\$10,SE\$10*(1-(1+SE\$10)^B357)*C357,"")	=IF(A357<=SD\$10,F357-D357,"")	=IF(A357<=SD\$10,C357-G357,"")
358	=A357+1	=IF(SD\$10-A357>0,SD\$10-A357,"")	=IF(H357>0,H357,"")	=IF(A358<=SD\$10,SE\$10*C358,"")	=IF(A358<=SD\$10,C358+D358,"")	=IF(A358<=SD\$10,SE\$10*(1-(1+SE\$10)^B358)*C358,"")	=IF(A358<=SD\$10,F358-D358,"")	=IF(A358<=SD\$10,C358-G358,"")
359	=A358+1	=IF(SD\$10-A358>0,SD\$10-A358,"")	=IF(H358>0,H358,"")	=IF(A359<=SD\$10,SE\$10*C359,"")	=IF(A359<=SD\$10,C359+D359,"")	=IF(A359<=SD\$10,SE\$10*(1-(1+SE\$10)^B359)*C359,"")	=IF(A359<=SD\$10,F359-D359,"")	=IF(A359<=SD\$10,C359-G359,"")
360	=A359+1	=IF(SD\$10-A359>0,SD\$10-A359,"")	=IF(H359>0,H359,"")	=IF(A360<=SD\$10,SE\$10*C360,"")	=IF(A360<=SD\$10,C360+D360,"")	=IF(A360<=SD\$10,SE\$10*(1-(1+SE\$10)^B360)*C360,"")	=IF(A360<=SD\$10,F360-D360,"")	=IF(A360<=SD\$10,C360-G360,"")
361	=A360+1	=IF(SD\$10-A360>0,SD\$10-A360,"")	=IF(H360>0,H360,"")	=IF(A361<=SD\$10,SE\$10*C361,"")	=IF(A361<=SD\$10,C361+D361,"")	=IF(A361<=SD\$10,SE\$10*(1-(1+SE\$10)^B361)*C361,"")	=IF(A361<=SD\$10,F361-D361,"")	=IF(A361<=SD\$10,C361-G361,"")
362	=A361+1	=IF(SD\$10-A361>0,SD\$10-A361,"")	=IF(H361>0,H361,"")	=IF(A362<=SD\$10,SE\$10*C362,"")	=IF(A362<=SD\$10,C362+D362,"")	=IF(A362<=SD\$10,SE\$10*(1-(1+SE\$10)^B362)*C362,"")	=IF(A362<=SD\$10,F362-D362,"")	=IF(A362<=SD\$10,C362-G362,"")
363	=A362+1	=IF(SD\$10-A362>0,SD\$10-A362,"")	=IF(H362>0,H362,"")	=IF(A363<=SD\$10,SE\$10*C363,"")	=IF(A363<=SD\$10,C363+D363,"")	=IF(A363<=SD\$10,SE\$10*(1-(1+SE\$10)^B363)*C363,"")	=IF(A363<=SD\$10,F363-D363,"")	=IF(A363<=SD\$10,C363-G363,"")
364	=A363+1	=IF(SD\$10-A363>0,SD\$10-A363,"")	=IF(H363>0,H363,"")	=IF(A364<=SD\$10,SE\$10*C364,"")	=IF(A364<=SD\$10,C364+D364,"")	=IF(A364<=SD\$10,SE\$10*(1-(1+SE\$10)^B364)*C364,"")	=IF(A364<=SD\$10,F364-D364,"")	=IF(A364<=SD\$10,C364-G364,"")
365	=A364+1	=IF(SD\$10-A364>0,SD\$10-A364,"")	=IF(H364>0,H364,"")	=IF(A365<=SD\$10,SE\$10*C365,"")	=IF(A365<=SD\$10,C365+D365,"")	=IF(A365<=SD\$10,SE\$10*(1-(1+SE\$10)^B365)*C365,"")	=IF(A365<=SD\$10,F365-D365,"")	=IF(A365<=SD\$10,C365-G365,"")
366	=A365+1	=IF(SD\$10-A365>0,SD\$10-A365,"")	=IF(H365>0,H365,"")	=IF(A366<=SD\$10,SE\$10*C366,"")	=IF(A366<=SD\$10,C366+D366,"")	=IF(A366<=SD\$10,SE\$10*(1-(1+SE\$10)^B366)*C366,"")	=IF(A366<=SD\$10,F366-D366,"")	=IF(A366<=SD\$10,C366-G366,"")
367	=A366+1	=IF(SD\$10-A366>0,SD\$10-A366,"")	=IF(H366>0,H366,"")	=IF(A367<=SD\$10,SE\$10*C367,"")	=IF(A367<=SD\$10,C367+D367,"")	=IF(A367<=SD\$10,SE\$10*(1-(1+SE\$10)^B367)*C367,"")	=IF(A367<=SD\$10,F367-D367,"")	=IF(A367<=SD\$10,C367-G367,"")
368	=A367+1	=IF(SD\$10-A367>0,SD\$10-A367,"")	=IF(H367>0,H367,"")	=IF(A368<=SD\$10,SE\$10*C368,"")	=IF(A368<=SD\$10,C368+D368,"")	=IF(A368<=SD\$10,SE\$10*(1-(1+SE\$10)^B368)*C368,"")	=IF(A368<=SD\$10,F368-D368,"")	=IF(A368<=SD\$10,C368-G368,"")
369	=A368+1	=IF(SD\$10-A368>0,SD\$10-A368,"")	=IF(H368>0,H368,"")	=IF(A369<=SD\$10,SE\$10*C369,"")	=IF(A369<=SD\$10,C369+D369,"")	=IF(A369<=SD\$10,SE\$10*(1-(1+SE\$10)^B369)*C369,"")	=IF(A369<=SD\$10,F369-D369,"")	=IF(A369<=SD\$10,C369-G369,"")
370	=A369+1	=IF(SD\$10-A369>0,SD\$10-A369,"")	=IF(H369>0,H369,"")	=IF(A370<=SD\$10,SE\$10*C370,"")	=IF(A370<=SD\$10,C370+D370,"")	=IF(A370<=SD\$10,SE\$10*(1-(1+SE\$10)^B370)*C370,"")	=IF(A370<=SD\$10,F370-D370,"")	=IF(A370<=SD\$10,C370-G370,"")
371	=A370+1	=IF(SD\$10-A370>0,SD\$10-A370,"")	=IF(H370>0,H370,"")	=IF(A371<=SD\$10,SE\$10*C371,"")	=IF(A371<=SD\$10,C371+D371,"")	=IF(A371<=SD\$10,SE\$10*(1-(1+SE\$10)^B371)*C371,"")	=IF(A371<=SD\$10,F371-D371,"")	=IF(A371<=SD\$10,C371-G371,"")
372	=A371+1	=IF(SD\$10-A371>0,SD\$10-A371,"")	=IF(H371>0,H371,"")	=IF(A372<=SD\$10,SE\$10*C372,"")	=IF(A372<=SD\$10,C372+D372,"")	=IF(A372<=SD\$10,SE\$10*(1-(1+SE\$10)^B372)*C372,"")	=IF(A372<=SD\$10,F372-D372,"")	=IF(A372<=SD\$10,C372-G372,"")
373	=A372+1	=IF(SD\$10-A372>0,SD\$10-A372,"")	=IF(H372>0,H372,"")	=IF(A373<=SD\$10,SE\$10*C373,"")	=IF(A373<=SD\$10,C373+D373,"")	=IF(A373<=SD\$10,SE\$10*(1-(1+SE\$10)^B373)*C373,"")	=IF(A373<=SD\$10,F373-D373,"")	=IF(A373<=SD\$10,C373-G373,"")
374	=A373+1	=IF(SD\$10-A373>0,SD\$10-A373,"")	=IF(H373>0,H373,"")	=IF(A374<=SD\$10,SE\$10*C374,"")	=IF(A374<=SD\$10,C374+D374,"")	=IF(A374<=SD\$10,SE\$10*(1-(1+SE\$10)^B374)*C374,"")	=IF(A374<=SD\$10,F374-D374,"")	=IF(A374<=SD\$10,C374-G374,"")
375	=A374+1	=IF(SD\$10-A374>0,SD\$10-A374,"")	=IF(H374>0,H374,"")	=IF(A375<=SD\$10,SE\$10*C375,"")	=IF(A375<=SD\$10,C375+D375,"")	=IF(A375<=SD\$10,SE\$10*(1-(1+SE\$10)^B375)*C375,"")	=IF(A375<=SD\$10,F375-D375,"")	=IF(A375<=SD\$10,C375-G375,"")
376	=A375+1	=IF(SD\$10-A375>0,SD\$10-A375,"")	=IF(H375>0,H375,"")	=IF(A376<=SD\$10,SE\$10*C376,"")	=IF(A376<=SD\$10,C376+D376,"")	=IF(A376<=SD\$10,SE\$10*(1-(1+SE\$10)^B376)*C376,"")	=IF(A376<=SD\$10,F376-D376,"")	=IF(A376<=SD\$10,C376-G376,"")
377	=A376+1	=IF(SD\$10-A376>0,SD\$10-A376,"")	=IF(H376>0,H376,"")	=IF(A377<=SD\$10,SE\$10*C377,"")	=IF(A377<=SD\$10,C377+D377,"")	=IF(A377<=SD\$10,SE\$10*(1-(1+SE\$10)^B377)*C377,"")	=IF(A377<=SD\$10,F377-D377,"")	=IF(A377<=SD\$10,C377-G377,"")
378	=A377+1	=IF(SD\$10-A377>0,SD\$10-A377,"")	=IF(H377>0,H377,"")	=IF(A378<=SD\$10,SE\$10*C378,"")	=IF(A378<=SD\$10,C378+D378,"")	=IF(A378<=SD\$10,SE\$10*(1-(1+SE\$10)^B378)*C378,"")	=IF(A378<=SD\$10,F378-D378,"")	=IF(A378<=SD\$10,C378-G378,"")
379	=A378+1	=IF(SD\$10-A378>0,SD\$10-A378,"")	=IF(H378>0,H378,"")	=IF(A379<=SD\$10,SE\$10*C379,"")	=IF(A379<=SD\$10,C379+D379,"")	=IF(A379<=SD\$10,SE\$10*(1-(1+SE\$10)^B379)*C379,"")	=IF(A379<=SD\$10,F379-D379,"")	=IF(A379<=SD\$10,C379-G379,"")
380								
381				=SUM(D20:D379)		=SUM(F20:F379)		=SUM(G20:G379)
382				Total		Total		Total
383				Interest		Payments		Principal
384				Paid		Made		Repaid