

homework	type: colab or handwritten	similar exercise						
ex.5.1.2	handwritten + colab	ex.5.1.1	ex.5.1.1 PDF solution	http://www-math.ucdenver.edu/~langou/4650/5.1/exercise_ex_5_1_01	sauer3/exercise_ex_5_1_01	sauer3	sol_langou.pdf	
ex.5.1.4	handwritten + colab	ex.5.1.3	ex.5.1.1 colab helper ex.5.1.3 PDF solution ex.5.1.3 colab helper	https://colab.research.google.com/drive/1ijM3R-n9RK20R8_TDdkOOQ5C7Tk25vfA http://www-math.ucdenver.edu/~langou/4650/5.1/exercise_ex_5_1_03 https://colab.research.google.com/drive/1rcWecA_rDyTR9eCWrsuf2GpHAI0-Gt5P	sauer3/exercise_ex_5_1_03	sauer3	sol_langou.pdf	
ex.5.1.8	handwritten							
ex.5.1.10	handwritten							
ex.5.1.18	handwritten							
ex.5.1.20	handwritten							
cp.5.1.2	colab	cp.5.1.1	colab	https://colab.research.google.com/drive/1G-ZzaPqoDWDCilLG6K6lCHhd1KIJji				
ex.5.2.4.b	handwritten	ex.5.2.4.a	ex.5.2.4.a PDF solution ex.5.2.4.a colab helper	http://www-math.ucdenver.edu/~langou/4650/5.2/exercise_ex_5_2_04 https://colab.research.google.com/drive/190libB0ObBkh-uVgzJS-fZAHpD_-EFsO	sauer3/exercise_ex_5_2_04_a	sauer3	sol_langou.pdf	
ex.5.2.6.b	handwritten	ex.5.2.6.a	ex.5.2.6.a PDF solution ex.5.2.6.a colab helper	http://www-math.ucdenver.edu/~langou/4650/5.2/exercise_ex_5_2_06 https://colab.research.google.com/drive/1fTO6pJti-7le_69CSiZX1ajpu2q64PWX	sauer3/exercise_ex_5_2_06_a	sauer3	sol_langou.pdf	
cp.5.2.1.a	colab							
cp.5.2.2.a	colab	cp.5.2.2.b	colab	https://colab.research.google.com/drive/1YLpRyGi7l5mHxKiKEiLKrd9t4ShNXTnc				
ex.5.3.2.b	handwritten	ex.5.3.2.a	handwritten colab helper	http://math.ucdenver.edu/~langou/4650/5.3/exercise_ex_5_3_02 https://colab.research.google.com/drive/1YVuXc4AH7CFZRS5QVMQMIQVvdMnQRtcA	sauer3/exercise_ex_5_3_02_a	sauer3	sol_langou.pdf	
cp.5.3.1.a	colab	cp.5.3.1.b	colab	https://colab.research.google.com/drive/1amn0MJ1KGAYQ4CT6pPy4SiCM5vU6TNMI?usp=sharing				
cp.5.4.1.a	colab	cp.5.4.1.b	colab	https://colab.research.google.com/drive/1FmPqmi9bSpJZCqhqQTlaBHE7U98KcTns				
ex.5.5.6.d	colab	ex.5.5.6.d ex.5.5.6.b	colab getting started colab	https://colab.research.google.com/drive/15IAP-ZoWHlBB1cFnjunA8lYU1bQB8A https://colab.research.google.com/drive/1J84HfrV1V12Fvmq5ero4N4saOJd6h-gn				