

## Exercise 18.7 Answer Sheet

Name \_\_\_\_\_ Lab Sec. \_\_\_\_\_ Date \_\_\_\_\_

### Table 1

Star	Spec. Type	m	$\rho$ (")	d(pc)	M	Lum. Class	Type of Star
A	B9	2.07	0.0340	_____	_____	_____	_____
B	F2	2.28	0.0520	_____	_____	_____	_____
C	K3	3.27	0.0320	_____	_____	_____	_____
D	G0	3.46	0.1720	_____	_____	_____	_____
$\alpha$ Per	F5	1.79	0.0050	_____	_____	_____	_____
$\lambda$ Tau	B3	3.41	0.0080	_____	_____	_____	_____
$\delta$ Vir	M3	3.39	0.0163	_____	_____	_____	_____
$\alpha$ CMaB	O9	6.15	0.4070	_____	_____	_____	_____

### Table 2

Star	Spec. Type	Lum. Class	m	M	d(pc)
G	M2	I	6.42	_____	_____
H	O9	V	7.55	_____	_____
J	A0	V	10.22	_____	_____
$\epsilon$ Cen	B1	III	2.29	_____	_____
KK	G5	II	8.56	_____	_____
$\lambda$ Ori	O8	III	3.40	_____	_____
$\beta$ Dor	F9	I	3.76	_____	_____

# Schematic H - R Diagram

