Cell Division and Mitosis Worksheet

cise 3	
Part 3c. The G1 cell or	your mat board presently contains a total of chromosomes, each
of which is	stranded. There are pairs of homologous chromosomes in
the cell. Because chrom	nosomes are in homologous pairs, G1 cells are
Part 4. Place the four re	eplicated, double stranded chromosomes (strings) on the cell labeled G2
on your mat board. The	G2 cell contains a total of chromosomes that represent pairs
of homologous chromos	somes. Each chromosome in G2 consists of strands called
	Because chromosomes are present in pairs in G2
cells, cells are still	or 2n. Notice that replication did not change the number of
chromatids, and spindle	
Part 1e. Summary of p	rophase: During prophase become shorter and
thicker. The	and the envelope disappear
fibers, made of	, form a football-shaped structure within the cell. Some
microtubules attach to the	he of the chromosomes. Because chromosomes are
present in homologous p	pairs during prophase, the cell is orn.
Part 2c Draw a cell in	metaphase as it appears on the mat board and label the chromosomes,

chromatids, and spindle fibers.