For full credit you must show your work. Partial credit may be given for incorrect solutions if sufficient work is shown.

Suppose we are dividing three shares s_1, s_2, s_3 among three players A, B, C. The value system for each player is given in terms of dollars in the table below.

	1		•
	s_1	s_2	s_3
\overline{A}	\$7.60	\$5.60	\$6.80
\overline{B}	\$5.00	\$5.00	\$5.00
\overline{C}	\$3.40	\$4.00	\$2.60

1. Determine the fair shares for each player. Then come up with all possible fair divisions. *Hint:* there are three possible fair divisions. (5pt)

2. Which fair divisions are efficient? (2.5pt)

3. Are any fair divisions envy-free? (2.5pt)