EX 13.4.1: Given the following table of the probabilities \& values associated with the four outcomes of an experiment:

| OUTCOME | PROBABILITY | VALUE |
| :---: | :---: | :---: |
| $A$ | 0.25 | 7 |
| $B$ | 0.10 | -3 |
| $C$ | 0.35 | 2 |
| $D$ | 0.30 | -2 |

Compute the expected value for the experiment.

EX 13.4.2: You pay $\$ 1.00$ to play a game in which a pair of fair dice are rolled.
If the dice total six or twelve, you win $\$ 4.00$.
If the dice total between six or twelve exclusive, you win $\$ 2.00$.
Otherwise, you lose the dollar you paid to play the game.
(a) Compute the expected value for the game.
(b) Compute the price of the game to make the game fair.

