4.2 The probabilities are 0.24, 0.35, 0.29, and 0.12 that a speculator will be able to sell a subdivision lot within a year at a profit of $12,500, at a profit of $8,000, at a profit of $1,000, or a loss of $2,500 respectively. What is her expected value?

L1 L2 STATS > CALC 1: 1-Var Stats L1,L2

X	P(x)	X P(x)
12500	0.24	3000
8000	0.35	2800
1000	0.29	290
-2500	0.12	-300
		5790

$\mu = E = \sum xp(x) =$ 5790

E = $5,790

STUDY: Chapter 4: Section 4.2

- Discrete probability distributions