Name:	
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## **Five Minute Exercise**

Expected Value and Fair Insurance

## Given:

A firm would be willing to pay \$12,000 to dispose of a chemical in a landfill There is a 50% chance the chemical would leak out of the landfill If a leak occurs, it will be small or large, each with a 50% chance If a small leak occurs, it would cause \$4,000 of damages to nearby residents If a large leak occurs, the damages would be \$40,000

## **Determine:**

The overall gain or loss from disposal with fair insurance for the residents.

Answer:		