Calculating a Covariance Between Two Variables, x and y

Observation	x	y
1	1.2	1.4
2	0.5	0.7
3	2.3	2.1

$$Cov[x, y] = \frac{1}{n}\sum_{i=1}^{n}(x_i - \bar{x})(y_i - \bar{y})$$

$$Cov[x, y] = \frac{(1.2-1.3)(1.4-1.4)+(0.5-1.3)(0.7-1.4)+(2.3-1.3)(2.1-1.4)}{n}$$

$$Cov[x, y] = \frac{(-0.1)(0)+(-0.8)(-0.7)+(1.0)(0.7)}{n} = \frac{1.26}{3} = 0.4$$