3.2

A	40	40	60	60	50 (Mean)	11.54700538 (Standard Deviation)
B	48	48	50	50	49	1.154700538

$x \to \{3, 8, 4, 6, 14\}$
$x - 1 \to \{2, 7, 3, 9, 13\}$
$x^2 \to \{9, 64, 16, 36, 196\}$
$n_x = 5$
$\Sigma x = 3 + 8 + 4 + 6 + 14 = 35$
$\Sigma(x - 1) = 30, \Sigma(x^2) = 321$
mean $= \bar{x} = \frac{\Sigma x}{n_x} = \frac{35}{5} = 7$

Standard deviation:
$S_x = \sqrt{\frac{\Sigma[(x-\bar{x})^2]}{n_x - 1}}$
$x \to \{3, 8, 4, 6, 14\}$
$x - \bar{x} \to \{-4, 1, -3, -1, 7\}$
$(x - \bar{x})^2 \to \{16, 1, 9, 1, 49\}$
$\Sigma[(x - \bar{x})^2] = 76$
$\sqrt{\frac{76}{5-1}} = \sqrt{19} \approx 4.3589$

Variance

S_x^2 (just don't square root the std. dev.) $= \frac{\Sigma x^2 - \frac{(\Sigma x)^2}{n_x}}{n_x - 1}$ $[\Sigma(x^2)]$

Homework:

3.35a
3.41b

Go to some page with a lot of blank space and two problems. Asks for mean and std. dev. and last two things are the answers(?)