Estimate the value for each situation. Write an explanation how you used estimation to arrive at your answer.

1. 4.2 as a percentage of 1100.
2. 460 as a percentage of 843.
3. 38% of 6230.
4. **Show two different ways to do the following problem:** A college with 4,567 students anticipates a 2.3% increase in enrollment. How many students will the college have?
5. You invest $1000 in a Certificate of Deposit that pays 3.6% interest each year. At the end of the year, the interest you earn is added back into the account. Calculate how much you have at the end of 3 years.

**Thinking Back**

Simplify.

|  |  |
| --- | --- |
| 1. $\left(50+2\right)-3(3+6∙2)$
 | 1. $15-(2∙\frac{5^{2}}{5}) $
 |
| 1. $\frac{3x}{2}+\frac{x^{2}}{2}-\frac{4x}{3}$
 | 1. $\frac{7}{8}÷\frac{2}{3}$
 |

**Do the following problems from your textbook p. 169: #55, 59, 66, 68.**