Binomial Probability Distribution & TI

Before using your calculator:

1. Read the problem carefully and identify n and p.
2. Look for key words as suggested in the table below and then write proper translation for it.

Key Words	Translation	TI Instruction
Exactly a **Getting** a	$P(x = a)$	$\text{binompdf}(n, p, a)$
At most a **less than or equal to** a	$P(x \leq a)$	$\text{binomcdf}(n, p, a)$
Less then a	$P(x < a)$	$\text{binomcdf}(n, p, a-1)$
At least a **Greater than or equal to** a	$P(x \geq a)$	$1 - \text{binomcdf}(n, p, a-1)$
Exceed a **More than** a **Greater than** a	$P(x > a)$	$1 - \text{binomcdf}(n, p, a)$

Do not use these methods if the problem is asking for estimation of the probability by using the normal distribution.