Name: _____ Nos: ___ Grade: ___ LESSON QUIZ

Binomial Distribution: G12

Guidance 1. Read each question carefully before you begin answering it.

2. Check your answers seem right from the table given. 3. Always show your workings.

Question 1: The probability that a baby is born a boy is 0.51. A mid-wife delivers 10 babies.

Find:

a) the probability that exactly 4 are male. Ans: ___

b) the probability that at least 8 are male. Ans: ____

Question 2: 25% of all students enrolled in high school XYZ are Algebra. 30 students are chosen at random.

a. Find the probability that exactly 7 students out of the 30 chosen are taking algebra. Ans: ____

b. What is the probability that fewer than 5 students out of the 30 who are selected are taking Algebra? Ans: ___

c. Calculate the mean and of this binomial distribution.

Ans: _____

d. Calculate the standard deviation of this binomial distribution. Ans: _____

Drag your answers from the table below

9.769	16.6	7.5	0.197	0.0621	2.3717

Click on finished, check your answers, well then, upload via class point or line ID: gpower11

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