

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
MAT1375 – Mr. Kan Binomial Theorem

Go to <https://youtu.be/lcbfErLIPFc> and watch the video.

1) Write the 7<sup>th</sup> row of Pascal's Triangle.

2) Evaluate. Show all work.

a.  $8!$

b.  $\binom{7}{2}$

3) Find the 8<sup>th</sup> term in the expansion of  $(3x - y)^{15}$