Section 11.7: The Binomial Theorem

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suppose you were asked to expand (x+y)8

- the hard way: Foil it at

- The easy way: technology

- the way we're going to do it pascers transle

 $(x+y)^8 = x^8 + x^7y + x^7y$ 

+ - xy<sup>7</sup> + y<sup>8</sup>

but what are the deficients?

Pascal's triangle: