5-28-22 Math 208 2022 April (!)

- S9)
$$(x+y)^{5} = (x+y)(x+y)(x+y)(x+y)$$

$$\frac{5!}{2!3!} = \frac{5 \cdot 4}{2} = 10$$

$$\binom{6}{k} = \binom{n!}{k!(n+k)!}$$
fraula

when perm is the same of the sam

 $\chi^2 y^3$

 $\begin{pmatrix} 3 \\ 2 \end{pmatrix} = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$

$$|x|^{5}y^{5} + 5x^{4}y^{1}$$

$$(\frac{5}{5}) = (\frac{5}{6}) \quad (\frac{5}{4}) = (\frac{5}{6})$$

$$\sum_{i=1}^{6} |x_{i}|^{2} = 1$$

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56) counting - always draw, or at visualize

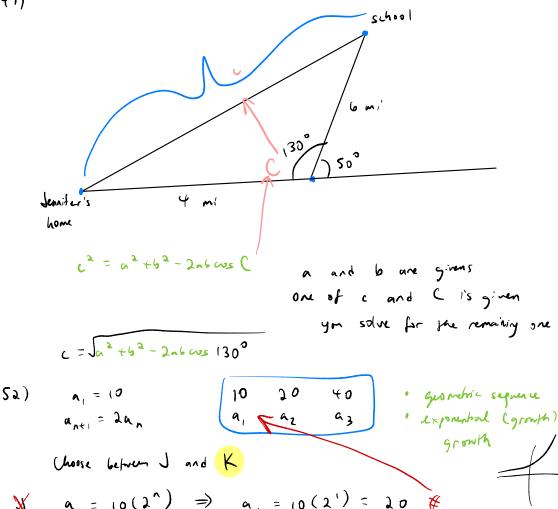
 $3 \cdot 4! = 3 \cdot 24 = 72$

$$A = \frac{1 - (.20 + .38 + .24)}{20 + .38 + .24} = 0.06$$





41)



$$A_n = 10(2^n) \Rightarrow a_1 = 10(2^n) = 20$$

51)
$$\frac{1}{2}$$
 major axis $a = 8$
 $\frac{1}{2}$ minor axis $b = 6$

Math 68A

(80) 108° $\frac{540^{\circ}}{5}$ 180(n-2)Short 25 $(80 n) = 3 + \frac{1}{2} + \frac{1}{2$

$$a$$

$$c^{2} = a^{2} + 6^{2} - 2a6 \cos C$$

$$c^{2} = a^{2} + 6^{2} - 2a6 \cos (90^{\circ})$$

$$= a^{2} + b^{2}$$