(any

2.530032 Math 2020 July col

(bo)

$$c^2 = a^2 + 6^2 - 2ab cus$$

(con of

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50

9 + F + 7 + L + 5 + 4 + 3 + 2 + 1 = 45

(1,1)

(1,2)

(1,1)

(1,2)

(2,1)

53)

 $a^{n^2} = 9^{5n-4}$ 

(3<sup>2</sup>)

 $a^{n^2} = 9^{5n-4}$ 

(3<sup>3</sup>)

 $a^{n^2} = 10n-1$ 
 $a^{n^2} - 10n-1$ 

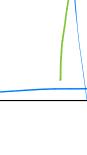
Sa) 
$$x = ten \underline{number sum}$$
 $10x = ten \underline{numbers}$ 
 $ty = f \underline{numbers}$  ( hishest/Imest removed)

 $10x - fy = hishest and (mest sume}$ 
 $10x - f$ 

(40) 
$$|x|^2 - |x| - \lambda = 0$$
  
 $|x|^2 - |y| - \lambda = 0$ 

44) F 45) 0

47)



(6) 
$$\log_{(x^43)} (x^2+3) = 2$$

$$(x+3)^{\lambda} = x^{\lambda}+3$$
  
 $x^{\lambda} + 6x + 9 = x^{\lambda}+3$   
 $(x = -6)$   
 $x = -1$