HW 3 written 27830 27. y'=25y 8 y(0)=0
yCD = 5 0 x 6 C
$(C \times -C)^2 \times C$
as $y'(x) = \int_{2x-2c}^{c} 0 \forall \leq c$
this 4 C S = 2 $\sqrt{3}$ S what in 0 from section C
x 2C
$2x-2c=2\sqrt{x-c}$
TOUR XXC
(0,0)

b) initial value problem has for b4 the initial value problem has a unique solution for COSCX-C) XCC COSCX-C) CXXCC+C7 -1 x2 C+C7 0=0 CL x L C+Q: y = - J 1-42 - Sin (x-c) =

$$= -\sqrt{1-\cos^2}$$

$$-\sin(x-c) = -\sin(x-c)$$

$$0 = -\sqrt{1-\sqrt{2}}$$

$$0 = -\sqrt{1-\sqrt{2}}$$

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$$0 = -\sqrt{1-\sqrt{2}}$$

$$1 = -\sqrt{1-\sqrt{2}}$$

$$2 = -\sqrt{1-\sqrt{2}}$$

$$3 = -\sqrt{1-\sqrt{2}}$$

$$4 = -\sqrt{1-\sqrt{2}}$$

$$5 = -\sqrt{1-\sqrt{2}}$$

$$5 = -\sqrt{1-\sqrt{2}}$$

$$6 = -\sqrt{1-\sqrt{2}}$$

$$1 = -\sqrt{1-\sqrt{2}}$$

$$2 = -\sqrt{1-\sqrt{2}}$$

$$3 = -\sqrt{1-\sqrt{2}}$$

$$4 = -\sqrt{1-\sqrt{2}}$$

$$5 = -\sqrt{1-\sqrt{2}}$$

$$5 = -\sqrt{1-\sqrt{2}}$$

$$6 = -\sqrt{1-\sqrt{2}}$$

$$1 = -\sqrt{1-\sqrt{2}}$$

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$$2 = -\sqrt{1-\sqrt{2}}$$

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$$5 = -\sqrt{1-\sqrt{2}}$$

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$$6 = -\sqrt{1-\sqrt{2}}$$

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$$6 = -\sqrt{1-\sqrt{2}}$$

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$$7 =$$