3-5-22 Math 14C 30) $List = \sqrt{(x_1 - x_1)^2 + (y_2 - y_1)^2}$ $c = \sqrt{a^2 + b^2}$ distance 30 = \(\left(\times_1 - \times_1 \right)^2 + (y_2 - y_1)^2 + (z_2 - z_1)^2

50)
$$f(x) = \frac{x-3}{x^2-2x-3}$$
 which x values are me misting?
 $\begin{cases} x \mid x \neq -1 \text{ and } x \neq 3 \end{cases}$ $\begin{cases} x \mid x \neq -1 \text{ and } x \neq 3 \end{cases}$ $\begin{cases} x \mid x \neq -1 \text{ and } x \neq 3 \end{cases}$ $\begin{cases} x \mid x \neq -1 \text{ and } x \neq 3 \end{cases}$ $\begin{cases} x \mid x \neq 3 \end{cases}$

How many mittes we shick
to such of a shirts, there
are 3 choices

2:3 = 6.
What nort with hote?
6.4-24

53)
$$ln = log_e$$
 $e \approx 2.71 f28$

$$log = log_{10}$$

$$= log_{10} \qquad = log_$$

$$7 = \ln(x-\lambda) + 3
 4 = \ln(x-\lambda)
 e^{(x-\lambda)}$$

$$e^{(x-\lambda)}$$

$$e^{(x-\lambda)}$$

$$a^{(x-\lambda)}$$

$$e^{4} = x - \lambda$$

$$e^{4} + \lambda = x$$

52) Try not & get (4,7) controled by wlumns of fret 60) cms was als = rms of second $(u') \times (u'b)$ for matrix multiplication K GLANTE NFK eliminte B, C be wrong not location ? 51) Graph up h 2 kines multipliedy of roots Equilakant mingle 48) 4 2 4 52 18 7 9 d acate > 16 × 25 41 2 49

osmic <

42) Must be
$$-sin(-x^{\circ}) = -1$$
or $sin(-x^{\circ}) = 1$

Answer is G $Sin(-x)$ be $sin(-x) = -sin(x)$
 $cos(-x) = us(x)$

$$Q \Pi$$

$$Q \Pi$$

$$Q \Pi$$

$$S (-x) = us(x)$$

$$Q \Pi$$

$$S n \theta + cos^{2}\theta = 0$$

$$x^{2} + y^{2} = 0$$

$$Q \Pi$$

$$Q \Pi$$

$$Q \Pi$$

$$Q \Pi$$

$$Q \Pi$$

even function
$$\cos(-\theta) = -\sin(\theta)$$
 $\sin(-\theta) = \sin(\theta)$ $\sin(-\theta) = \sin(\theta)$ even function $\cos(-\theta) = \cos(\theta)$ $\cos(-\theta) = \cos(\theta)$

odd
$$f(-x) = -f(x)$$

even $f(-x) = f(x)$