

$$(y_{2}-y_{1}) = m(x_{2}-x_{1})$$

$$|y-(-7)| = m(-9-(-7))$$

$$|y+7| = y+7$$

$$|y+7| = m(3)$$

$$|y=8|$$

$$|y=9|$$

(-7,-7) and (-4,14)

$$\frac{5}{4} = \frac{8}{5}$$
 $y = \frac{8}{5}$
 $y = \frac{8}{5}$

-3x + 7y = 5x + 2y

+3x -2y +3x -24

6 \$ 15

(-1,-5)

-5 = 8(-1) + 3

Y= 8x + 3

(1,11)

11 = 8(1) + 3

8 7 10 X

(-2,-6) and (2,2)

 $(y_2-y_1)=M(x_2-x_1)$

(0,-1) and (4,2)

 $(Y_2-Y_1)=M(X_2-X_1)$

 $\frac{-12}{-3} = \frac{-3x}{-3} \quad X = 4$

$$(34, -52) \text{ and } (51, -65) \qquad b = y - Mx$$

$$(y_2 - y_1) = M(x_2 - x_1)$$

$$-65 - (-52) = M(51 - 34)$$

$$b = (-52) - (-\frac{13}{17})(34)$$

$$b = -52 - (-26)$$

$$b = -52 + 16$$

$$b = -26$$

$$M = -\frac{13}{17}$$

$$V = Mx + 6$$

$$V = Mx + 6$$

$$V = -\frac{13}{17}x - 26$$

$$(y_2 - y_1) = M(x_2 - x_1)$$

$$-y_5 - (-30) = M(61 - y_6)$$

$$b = -30 + \frac{720}{13}$$

$$-\frac{15}{13} = \frac{13}{13}$$

$$b = \frac{330}{13}$$

$$V = -\frac{15}{13}x + \frac{370}{13}$$

$$V = -\frac{15}{13}x + \frac{370}{13}$$

(34,-52) and (51,-65)

$$(42-41) = M(x_2-x_1)$$

$$107-186 = M(145-110)$$

$$\frac{21}{35} = \frac{35M}{35}$$

$$\frac{3}{5} = M$$

$$(100,8000) \text{ ard } (300,7000)$$

$$(42-41) = M(x_2-x_1)$$

$$1000-8000 = M(300-100)$$

$$-1000 = M(290)$$

$$1000 = M(290)$$

$$-5 = M$$

$$1000 = M(290)$$

$$1000 = M(290$$

280 + 9.5t = 13t

(110,186) and (145,107)

$$y = 45x - 810$$

$$y = 45(18) - 810$$

$$y = 810 - 810$$

$$y = -55 \times + b$$

$$y = -55(4) + b$$

$$y = -400 + b$$

$$y = -400$$

Y = 45(g)-810

Y= MX +b

- Slope

$$(y_2 - y_1) = M(x_2 - x_1)$$

(-72,25) and (-54,13)

(-7,-8) and (0,4)

18x = 10x + 12

 $X = \frac{3}{2} \quad X = 1.5$

- LOX -10X

 $\frac{x}{8} = 12$

(20,180) and (29,144)

$$b = (80 - (-80))$$

$$b = 180 + 80$$

$$b = 260$$

$$Y = Mx + b$$

$$Y = -4x + 260$$

$$(0) = -4x + 260$$

$$-260$$

 $\frac{-260}{-9} = \frac{-14x}{-9}$

X = 65

b = y - MX

(0,10) and (20,60)

12-36 = M(11-8)

-24 = M (3/)

1-8=M

80 = x

Y=4+5

Y=2x +5

$$\frac{225 \text{ lm}}{60 \text{ mm}} = \frac{50 \text{ lm}}{60 \text{ mm}}$$

$$\frac{15}{4} \text{ lm/mm} = \frac{5}{6} \text{ l}$$

$$\frac{15}{4} \text{ x} = \frac{5}{4} \text{ x} + \frac{15}{6} \text{ l}$$

$$\frac{15}{4} \text{ lun/min} \quad \frac{5}{6} \text{ lun/min}$$

$$\frac{5}{4} \text{ laylings} \frac{5}{6} \text{ la}$$

$$\frac{5}{6}$$

$$\frac{5}{6}$$

0.83(42) =

$$\frac{18 \text{ lm}}{h} \cdot \frac{1h}{60 \text{ nm}} = \frac{18 \text{ lm}}{60 \text{ mm}} = \frac{3}{10} \text{ lm/min}$$

$$10 \text{ lm} + \frac{1}{10} \text{ lm} = \frac{3}{10} \text{ lm/min}$$

$$\frac{10 \, \text{lm}}{1 \, \text{Hr}} \cdot \frac{1}{60 \, \text{msr}} = \frac{10 \, \text{lm}}{60 \, \text{msr}} = \frac{1}{6} \, \text{lm/min}$$

$$\frac{1}{14} \cdot \frac{1}{60} = \frac{1000}{60} = \frac{1}{60} \text{ km/min}$$

$$\frac{1}{60} \cdot \frac{1}{60} \times = \frac{3}{60} \times \frac{1}{60} \times \frac{1}$$

$$\frac{1}{6}(12) \cdot \frac{1}{6} \times = \frac{3}{10} \times$$

$$2 \cdot \frac{1}{6} \times = \frac{3}{10} \times$$

 $\left(\frac{2}{15}\right)^{\frac{2}{15}}$

1000-7x = 1255-10x

$$\frac{3 \times = 255}{3}$$

$$X = 85$$

$$149 - 95h = 170 - 110h$$

$$+110h$$

$$+110h$$

149 + 15h = 170 -149 -140

$$t>\frac{7}{5}$$

$$540 + 90m = 960 + 60m | 15 - \frac{5}{6}(6) = 25 - 2\frac{1}{2}(6)$$

$$-60m | 15 - \frac{5}{6}(6) = 25 - 2\frac{1}{2}(6)$$

$$540 + 30m = 960 | 15 - 5 = 25 - 15$$

$$10 = 10$$

$$30m = 420$$

$$30m = 420$$

$$30m = 420$$

$$\frac{-6014}{500} = 960$$

$$\frac{30}{30} = 420$$

$$\frac{30}{30} = 420$$

$$\frac{CM}{M} = \frac{5}{6} C$$

$$\frac{5 \text{ (m)}}{6 \text{ hr}} = \frac{5}{6} \text{ (m/hr)}$$

$$\frac{2}{3}$$
 pts/min

$$\frac{2!}{3 \text{ min}} = \frac{2}{3} \text{ pts/min}$$

$$13 + \frac{2}{3} \times = 25 + \frac{11}{3} \times \frac{1}{3} \times$$

 $\sqrt{3 + \frac{1}{3}x} = 25$

X = 36

 $X \ge 36 \, \text{Min}$

$$\sin^{2} 3 P^{+}S/M^{2}N$$

 $\sin^{2} 3 X = 25 +$

$$\sin^2 3 pts/min$$

$$1 + \frac{2}{3}x = 25 + 1$$

$$1 - 3 | 73/14111$$

 $+ \frac{2}{3} \times = 25 + \frac{1}{3}$

$$t = 3 P^{tS}/M^{t}$$

 $t = 2 \times = 25 + 1 \times 10^{-1}$



 $12 \div \frac{1}{2}$

 $\frac{\frac{1}{3}x = 12}{\frac{1}{3}} \frac{12 \cdot \frac{3}{1} = \frac{36}{7} = 36}{\frac{1}{3}}$

$$2.5x = 2x + 15$$

$$-7x -72x$$

$$-7x -72x$$

$$8.5x = 15$$

$$0.5 \times = 15$$
 $0.5 \times = 0.5$

$$0.5 \quad 0.5$$

$$X = 30$$

$$2.5(30) = 7(30) + 15$$