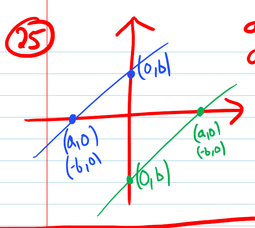
25



$a+b=0$

$a+b=$

$a=-b$

A

27

D

28

$m=\frac{0-2}{1-7}=\frac{-2}{-6}=\frac{1}{3}$

E(1,0)

$m_\perp=-3$

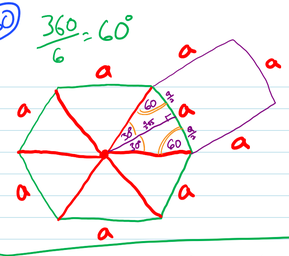
$y-0=-3(x-1)$

$y=-3(x-1)$

B

30

$\frac{360}{6}=60°$



$A=384\sqrt{3}$

$A_{square}=16(16)$

$=256$ A

$A=6(\text{Area of }\Delta)=6\left(\frac{1}{2}\right)(a)\left(\frac{a}{2}\sqrt{3}\right)=\frac{6}{4}a^2\sqrt{3}=\frac{3}{2}a^2\sqrt{3}$

(6 Δs)

$\frac{2}{3}\cdot\frac{3}{2}a^2\sqrt{3}=384\sqrt{3}\cdot\frac{2}{3}$

$\sqrt{a^2}=\sqrt{256}$ $a=16$

31

$\frac{1.5x}{1.5}=\frac{21}{1.5}$

$x=14$

$A=384\sqrt{3}$

32

$\frac{h}{60}+30\neq\frac{450}{-30}$

$\frac{60h}{60}\neq\frac{420}{60}$

$h=7$

33

$3(3)^2-3b+12=6$

$27-36+12=6$

$-36+39=6$

$-36=-33$

$b=11$

35

15

34

$d+l=250$

$d=l+40$

$l+40+l=250$

$2l=210$

$l=105$

37

$N_{1\text{ year}}=3000+0.2(3000)\left(1-\frac{3000}{4000}\right)$

$=3150$

$N_{2\text{ years}}=3150+0.2(3150)(.25)$

$=3307.5$

38

$3000+0.2(3000)\left(1-\frac{3000}{K}\right)=3360$

-3000

600

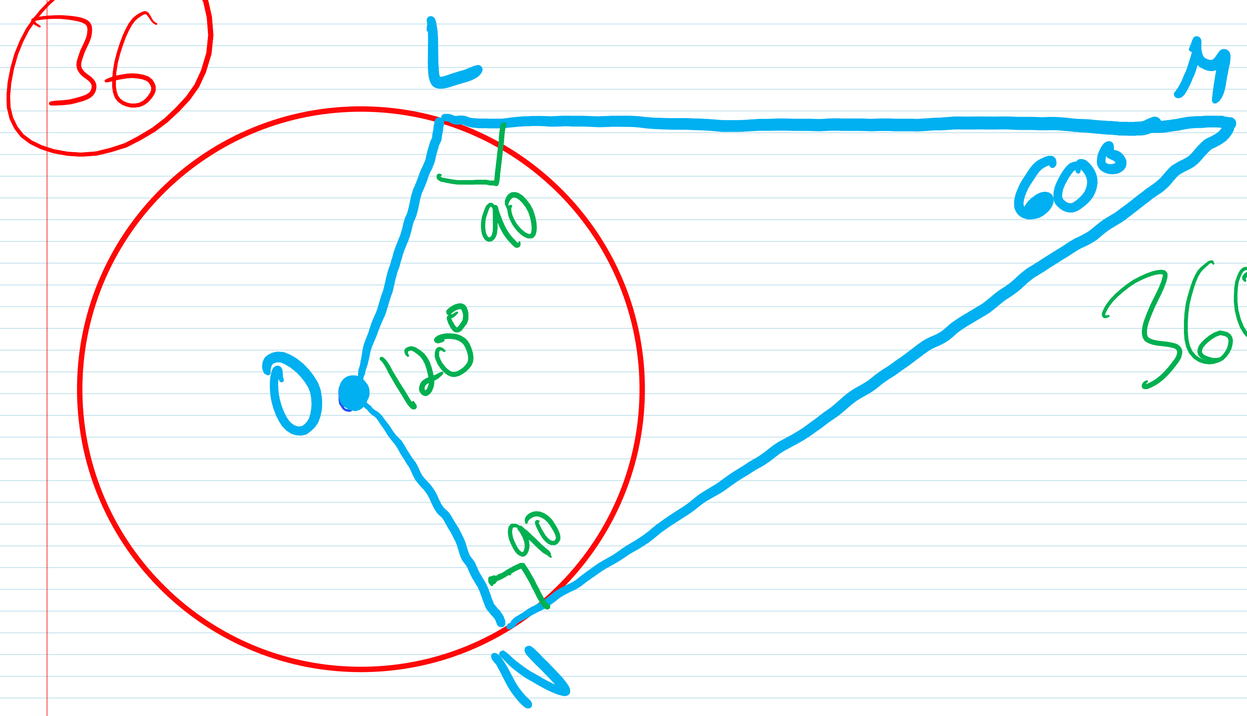
$600-\frac{1800000}{K}=360$

$\frac{240}{1}\neq\frac{1800000}{K}$

$240K=1800000$

$K=7500$

36



$360-90-90-60$

$= 120°$

$C = 96$

$96\left(\frac{120}{360}\right) = 32$