Advanced Math

1) $\{(2,-2)\}$ pg 697
2) $\left\{\left(\frac{32}{7}, \frac{30}{7}\right)\right\}$
3) $\{(-1,3,2)\}$
4) $\{(5,8,-2)\}$
5) Cramer's Rule Fails See next page for 7-20.
6) Yes, det $=0$
7) $N 0,-15$
8) No, -3
9) Yes,o
10) Yes, 0
11) $N_{0}, \frac{1}{2}$
12) $3 x-5 y=0$
13) $x+y=0$
14) $x+3 y-5=0$
15) $7 x-6 y-28=0$
16) $2 x+3 y-8=0$
17) $3 x-2 y+6=0$
18) $x=-3$
19) $x=3$


20) $\left.\left[\begin{array}{lllll}16 & 35 & 4\end{array}\right]\left[\begin{array}{llll}0 & -46 & 65\end{array}\right]-1674-137\right]\left[\begin{array}{lll}-3 & -44 & -101\end{array}\right]\left[\begin{array}{lll}28 & 31 & 1\end{array}\right]\left[\begin{array}{lll}95 & 215 & 265\end{array}\right] * N_{0} B 16$



21) HAPPY NEW Y EAR
42)CLASS IS CANCELED
22) SEND PLANES
23) RETURN AT DAWN
45)ME ET ME TON, GHT RON $\left[\begin{array}{cc}-1 & -2 \\ 1 & 1\end{array}\right]$
24) (ANCEL ORDERS SUE $\left[\begin{array}{cc}1 & 1 \\ -1 & -2\end{array}\right]$
$\square$
