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Practice Test Quiz 9	
1. Solve the following system of equations	(4, 1), (0, -1)
$\int x = (y+1)^2$	
$\begin{cases} y = \frac{1}{2}x - 1 \end{cases}$	
2. Solve the following system of equations	(1,2), (1,-2), (-1,2), (-1,-2)
$\begin{cases} x^2 + \frac{y^2}{2} = 3\\ y^2 = 4 x \end{cases}$	
$ v^2=4 x $	
3. Solve the following system of equations	(2,2)
$\begin{cases} xy = 4 \end{cases}$	
$\begin{cases} \frac{1}{x} + \frac{1}{y} = 1 \end{cases}$	
4. Solve the following system of equations	$\left(-\frac{2}{3},\frac{7}{3},0\right)$
$\int 2x + y - z = 1$	(3 3)
$\begin{cases} \frac{x}{2} + y + z = 2 \end{cases}$	
3x + 3y - 2z = 5	
5. Write the partial fraction decomposition of	7 _1
$\frac{x-5}{x^2-2x-8}$	$\frac{\frac{7}{6}}{x+2} + \frac{-\frac{1}{6}}{x-4}$
$x^2 - 2x - 8$	x+2 $x-4$
. 2 -	4 40 102
6. Write the partial fraction decomposition for $\frac{4x^2+3}{(x-5)^3}$	$\frac{4}{5} + \frac{40}{(5)^2} + \frac{103}{(5)^3}$
$(x-5)^3$	$(x-5)^{2} (x-5)^{3}$