5.3 Equations containing radicals

Restrictions on a variable exist v > The denominator		
The denominatorThe radicand is	for even indices	
ex. State the restrictions for:		
a)		
b)		
٥		
* When solving equations containing radicals, the key is toradical on one side of the equation, then		
eliminate the radical.	n, then	10
NOTE: When squaring both si always verify our answers in the _	ides, we lose accuracy. Therefore, w	e must
ex. $5 + \sqrt{2x + 1} = 12$		
solution:	restrictions:	
	verification:	

ex. Solve n - $\sqrt{5 - n} = -7$

solution:

restrictions:

verification:

ex. Solve 7 - $\sqrt{3x} = \sqrt{5x} + 4 + 5$

solution:

restrictions:

verification:

Recall: