Always, sometimes or never?

This task requires you to know if equations are always true, only true for some values of x, or never true.

Some equations are always true. e.g. , $2x = x + x$ is true for all values of $x(3, 5.5 \text{ etc})$		
Some equations are only true for some value of x. e.g. , $x + 1 = 2$ is only true for one value of x (i.e., $x = 1$)		
Some equations are never true. e.g. , $x = x + 1$ is never true whatever value x takes.		
a) Select the correct option for this equation: $2x = 8$		
O It is never true.	0	It is true for only one value of <i>x</i> .
It is true for only two values of <i>x</i> .	0	It is true for any value of <i>x</i> .
Explain your answer.		
b) Select the correct option for this equation: $(x + 1)(x - 2) = 0$		
O It is never true.	0	It is true for only one value of <i>x</i> .
It is true for only two values of <i>x</i> .	0	It is true for any value of <i>x</i> .
Explain your answer.		
c) Select the correct option for this equation: $4(x+3) = 4x+7$		
O It is never true.	0	It is true for only one value of <i>x</i> .
It is true for only two values of <i>x</i> .	0	It is true for any value of x.
Explain your answer.		

d) Select the correct option for this equation: $x^2 = 16$		
lt is never true.	O It is true for only one value of x.	
It is true for only two values of x.	O It is true for any value of x.	
Explain your answer.		
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