

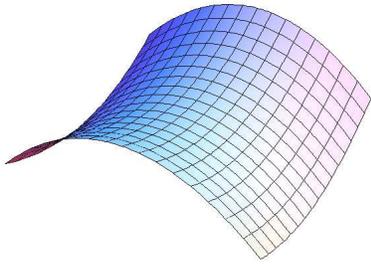
Lecture 5: Matching Challenge Functions

YOUR NAME:

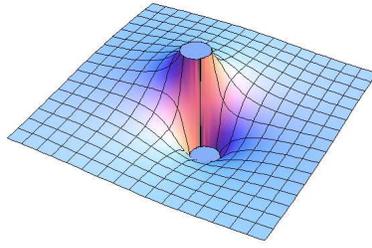
Match the equations with the corresponding pictures of graphs.

Function $f(x, y)$	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
x^3															*
$\sqrt{ x } - \sqrt{ y }$														*	
$3y^2$													*		
$y^2 - x^2$	*														
$(x - y)/(x^2 + y^2)$		*													
$2x^2 + 3y^2$				*											
$\sin(xy)$			*												
$1/(2 + 3x^2 + 2y^2)$					*										
$y \sin(y)$												*			
$\sin(x - y)$											*				
$ y $										*					
$ xy^2 $						*									
$3x - 2y$								*							
$y^2 e^{-x^2 - y^2}$							*								
$-\sqrt{1 - x^2 - y^2}$									*						

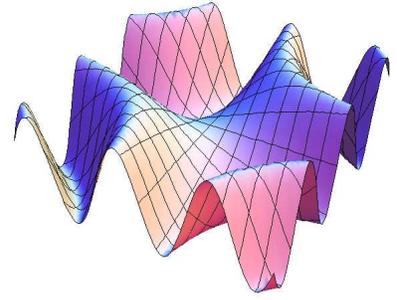
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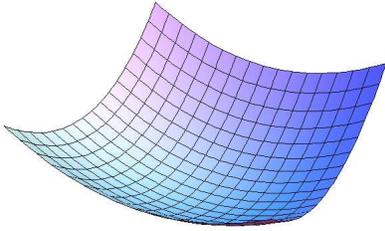
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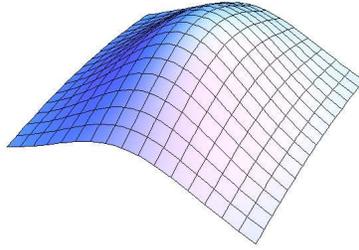
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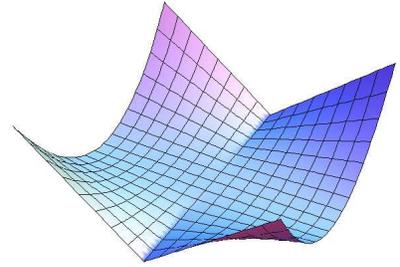
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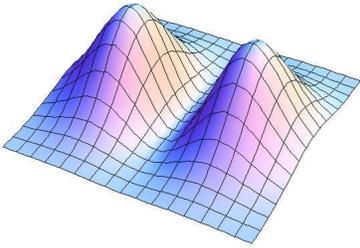
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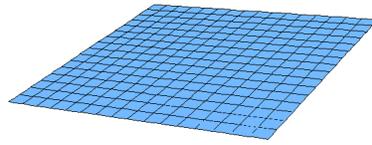
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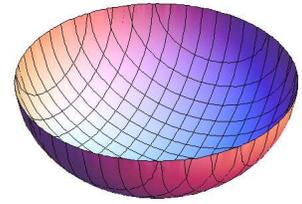
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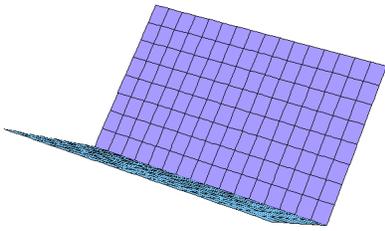
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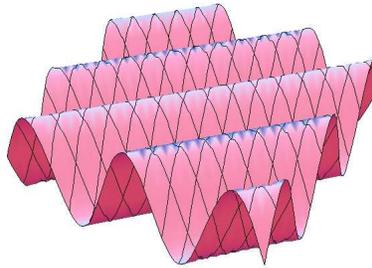
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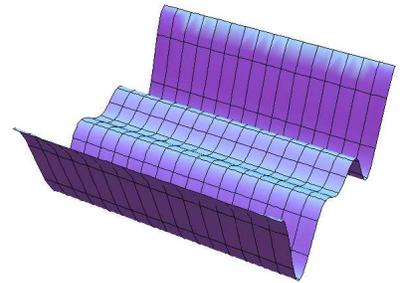
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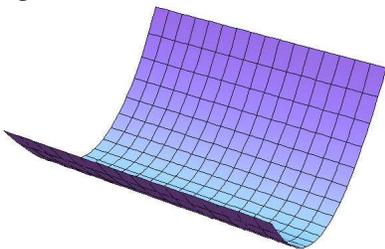
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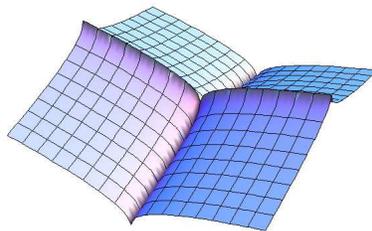
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14



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