

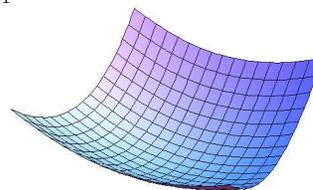
YOUR NAME:

Math21a, Fall 2009

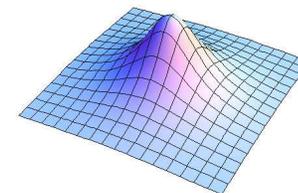
Match the equations with the corresponding pictures of graphs.

Function	1	2	3	4	5	6	7	8	9	10
$z = f(x, y) = y^2 e^{-x^2 - y^2}$							*			
$z = f(x, y) = x^2 y^2$										*
$z = f(x, y) = 1/(x^2 + y^2)$		*								
$z = f(x, y) = 3x - y$				*						
$z = f(x, y) = x - y $					*					
$z = f(x, y) = \sqrt{1 - x^2 - 4y^2}$								*		
$z = f(x, y) = x^2 + 2y^2$	*									
$z = f(x, y) = x^2 - y^2 $						*				
$z = f(x, y) = \cos(xy)$			*							
$z = f(x, y) = x \sin(x)$									*	

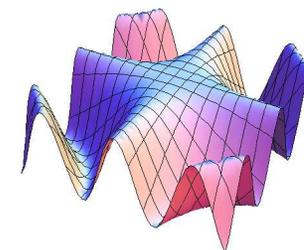
1



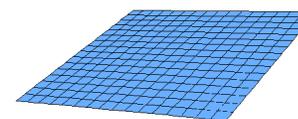
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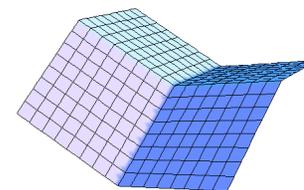
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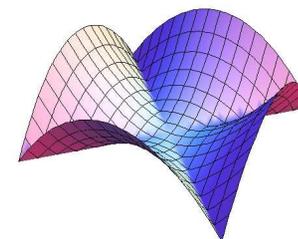
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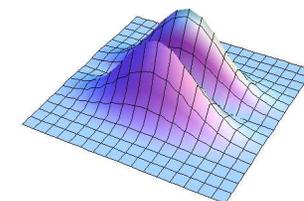
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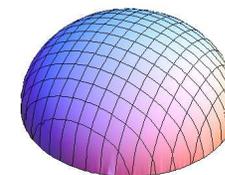
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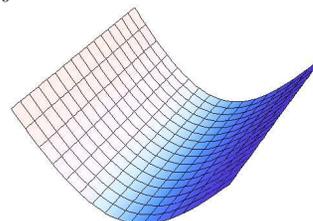
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8



9



10

