MATH 251, Section Thursday, Sept. 12, 2013 Due Tuesday, Sept. 17, 2013 at the beginning of	Quiz#2 (Section 11.5). Dr. M. Vorobets f class.
NAME (print):	
No credit for unsupported answers will be given. Staple all the sheets.	Clearly indicate your final answer.
1. [3 pts.] Consider the quadric surface $x = 4z^2 + y^2$. the names of the curves) of this surfacein the pla	, –
(a) $x = 4$:	
(b) $y = 2$:	
(c) $z = 0$:	

2. [2 pts.] Classify the surface $y = 4x^2 + z^2$ and sketch it.

- 3. [3 pts.] Consider the quadric surface $z^2 = 4 + x^2 + 4y^2$. Find the traces (write **equations** and the **names** of the curves) of this surface in the planes
 - (a) z = 3:
 - (b) x = 2:
 - (c) y = 0:
- 4. [2 pts.] Classify the surface $4z^2 x^2 y^2 = 1$ and sketch it.