Mini-quiz 4-05	Graph The	ory – Spring '22	Name: _
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**1.** (5 pts) Circle if each of the following statements is true or false. No justification needed, but you may get a 1pt bonus for a correct justification of (d) or (e).

(a)	$K_5$ is planar.	True	False				
(b)	A graph $G$ is planar	if and only if	G is spheroidal.	True	False		
(c)	$K_{3,4}$ is toroidal (that	is, $K_{3,4}$ can b	e embedded with no edg	ge crossings o	n the torus).	True	False
(d)	Any graph $G$ which i	is spheroidal i	s also toroidal.	True	False		

(e) If G is a maximal planar graph with  $p \ge 4$  vertices, then  $\delta(G) \ge 3$ . True False