	QUIX 5
NAME:	Quiz #3b:
	Phys270
SOLUTION	
	Section 0104

1. [10 pts] A fish in a flat-sided acquarium sees a can of fish food on the counter. To the fish's eye, the can looks to be 40 cm outside the aquarium. What is the actual distance between the can and the acquarium. Ignore the thin glass wall of the acquarium, and note that the index of refraction of water is 4/3. Show your work.

