Name		
Physics		
Period		

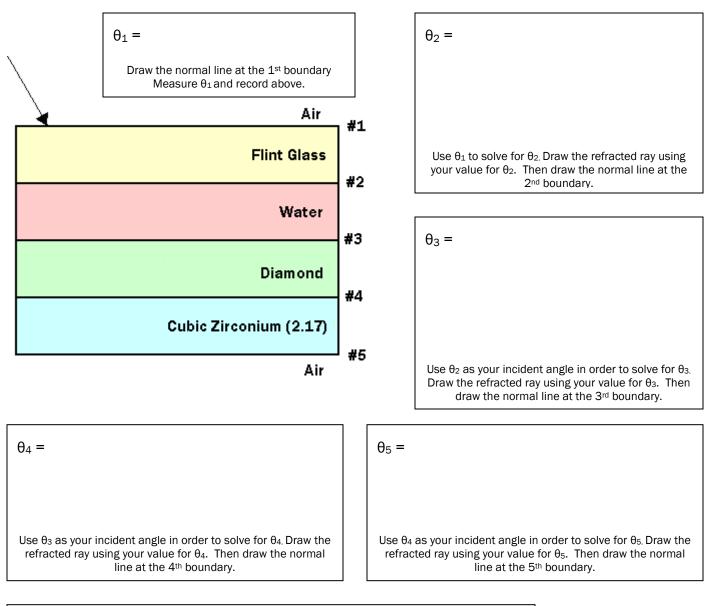
 $\theta_6 =$

Reflection/Refraction WS#6 Mrs. Nadworny

Date

Refraction

Perform the necessary calculations at each boundary in order to trace the path of the light ray through the following series of layers. Use a protractor and a ruler to draw your normal line, incident ray and refracted ray at each boundary. Show your calculations in the spaces provided. You do not need to show your givens and unknowns, only **equation**, **substitution** and **solution**.



Answers in size order: 11.9, 13.3, 17.5, 22.0, 29.9, 30.0

(All answers are approximations)

Use θ_5 as your incident angle in order to solve for θ_6 . Draw the refracted ray using your value for θ_6 .