**Geometry Angle Exploration** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Take your protractor, and find the degree measure of the following angles:

D

C

B

A

1. m< ABD = 2.) m<CBD = 3.) m<ABC
2. <ABC is also called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Angles such as <ABC always equal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Take your protractor, and find the degree measure of the following angles:

I

H

G

 F

E

1. m< EGF = 5.) m<HGI = 6.) m<EGH= 7.) m<FGI =

8.) What relationships do you notice with the above angles?