

**Due Friday December 2<sup>nd</sup>**

Based on the diagram below and the following information, find the measure of the 35 indicated angles. Picture is not drawn to scale.

Given:  $m\angle 17 = x^2$ ,  $m\angle 12 = 15x$ ,  $m\angle 18 = 80$ ,  $m\angle 35 = 40$ ,  $m\angle 20 = y^3$ ,  $m\angle 22 = y^2$ ,

$m\angle 27 = 20y$ ,  $m\angle 2 = 10n$ ,  $m\angle 3 = 15n$ ,  $p \parallel q$ ,  $q \parallel r$ ,  $\overline{EB}$ ,  $\overline{FA}$ ,  $\overline{CH}$ ,  $\overline{GD}$

