Geometry Chapter 8 Review
1.) Find the sum of the measures of the interior angles of a regular 32-gon.

$$
\begin{aligned}
& S=180(n-2) \\
& S=180(32-2) \\
& S=180(30) \\
& S=5400
\end{aligned}
$$



4.) Find the measure of each exterior angle of a regular 40-gon.
5.) $A B C D$ is a rectangle. If angle $C B A=3 x+2$ and angle $B C D=9 x-16$, Find angle CBD.

6.) FOIL the following: $(6 x+2)(2 x-9)$

Factor the following: $x^{2}+6 x-27$
7.) Given the rectangle EFGH, find $x$, then find angles $1,2,3$, and 4 .


