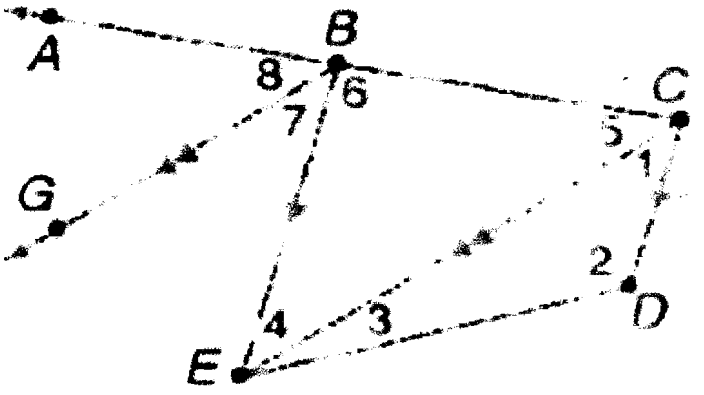
In the figure $\overline{BG} \parallel \overline{CE}$, $\overline{BE} \parallel \overline{CD}$, $\overline{BG}$ bisects $\angle EBA$, $m\angle 8 = 42$, and $m\angle 3 = 18$. Find the measure of each angle.

Explain or show how you found each angle.



m∠ 7 = _____

m∠ 6 = _____

m∠ 4 = _____

m∠ 5 = _____

m∠ 1 = _____

m∠ 2 = _____

If $m\angle 8 = 4x$, $m\angle 7 = 30$, and $m\angle 9 = 6x - 20$, then $x =$ ___?___.