

Finding Angle Measures - Examples

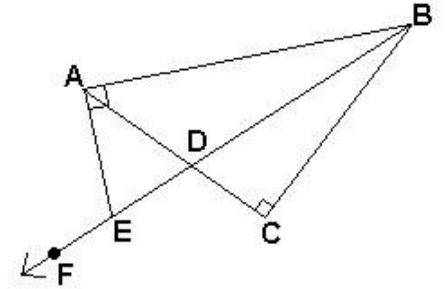
1) If $m\angle ABD = 31^\circ$, then find the following

a) $m\angle BEA =$ _____ b) $m\angle AEF =$ _____

2) If $m\angle BDC = 80^\circ$, then find the following

a) $m\angle ADE =$ _____ b) $m\angle ADB =$ _____

c) $m\angle CBE =$ _____ d) $m\angle CDE =$ _____



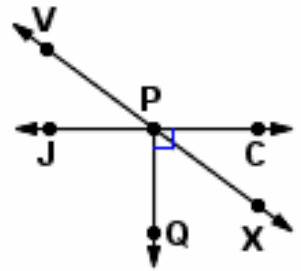
2) If $\angle VPJ = 2x$ and $\angle VPC = 4x$, find the following:

a) $x =$ _____ b) $m\angle VPJ =$ _____

c) $m\angle VPC =$ _____

d) $m\angle CPX =$ _____

e) $m\angle XPQ =$ _____ f) $m\angle QPV =$ _____



3) The measure of $\angle C$ is $(2x + 56)^\circ$. The measure of $\angle I$ is $(208 + 5x)^\circ$. If $\angle C$ is the supplement of $\angle I$, what are the measures of the two angles?

4) In triangle ABC, the measure of $\angle A$ is $(3x - 1)^\circ$, the measure of $\angle B$ is $(x + 7)^\circ$, and the measure of $\angle C$ is $(x - 1)^\circ$.

a) $x =$ _____ b) $m\angle A =$ _____ c) $m\angle B =$ _____ d) $m\angle C =$ _____