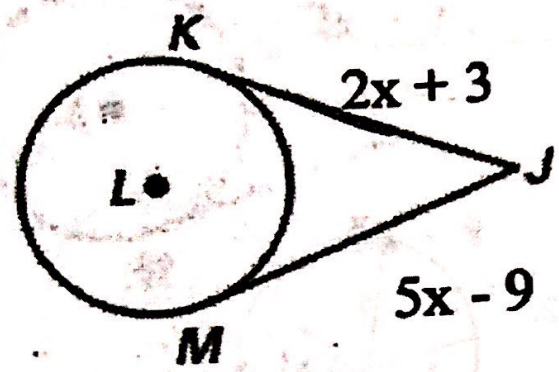
Warm-Up

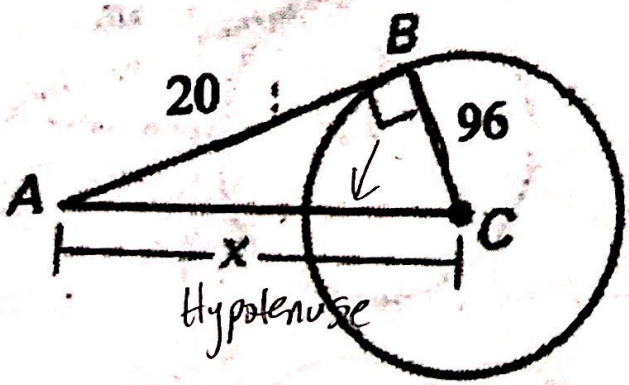
1. The points K and M are points of tangency. Find the value(s) of x.



$2x+3=5x-9$
$-2x \quad -2x$
$3=3x-9$
$+9 \quad +9$
$\frac{12}{3}=\frac{3x}{3}$

$x=4$

2. $\overline{BC}$ is a radius of circle C and $\overline{AB}$ is tangent to circle C. Find the value of x. Round to the nearest tenth.



$96^2+20^2=x^2$

$x=98.06120$

$x=98.1$