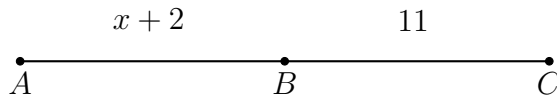**1.4 Classwork: Midpoints and bisectors**

1. Given point $B$ is the midpoint of $\overline{AC}$, with $AB = x + 2$, $BC = 11$.

   First write and equation representing the situation, then find $x$.



2. Do Now: Given $M$ is the midpoint of $\overline{AB}$, $AM = 5x + 2$, $MB = 20$.

   (a) Mark the diagram with the values and tick marks

   (b) Write an equation and solve for $x$

   (c) Check your result