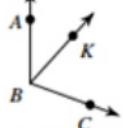


10.6.15

Statements	Justifications	Statements	Justifications
1. $10 + 11 - 8 = 29$ $9 + 11 = 29$ $\cancel{-11} \quad \cancel{+11}$ $9 = \underline{\underline{18}}$ $9 \quad 9$ $\boxed{F=2}$	CT Subtraction p.o.e Division p.o.e	2. $m\angle ABC = 17x + 8$, $m\angle ABK = 42^\circ$, and $m\angle KBC = 12x - 4$. Find $m\angle ABC$.  $17(6) + 8 = 110$ $ABK + KBC = ABC$ $42 + 12x - 4 = 17x + 8$ $-8 \quad -8$ $12x + 30 = 17x$ $-12x \quad -12x$ $30 = 5x$ $5 \quad 5$ $x = 6$	AAP Substitution $\text{Combine like terms}$ Subtraction p.o.e Division p.o.e

Write an equation to model the situation. Then solve using your justifications.

3. The tallest player on the basketball team is $77\frac{3}{4}$ in. tall. This is $9\frac{1}{2}$ in. taller than the shortest player. How tall is the shortest player?

