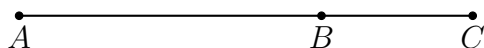


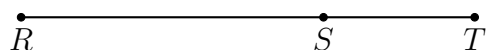
I can solve for segment lengths

1. Given \overline{ABC} , $AB = 8$, and $BC = 4$. Find AC .



2. Given \overline{RST} , $RS = 5$, and $RT = 7\frac{1}{2}$.

(a) Find ST .



(b) The postulate used in this problem is the _____.

3. Given \overline{DEF} , $DE = x + 4$, $EF = x + 2$, $DF = 14$. Find DE .

(a) Label the diagram with the given values.



(b) Write an equation:

(c) Solve for x

(d) Answer the question.

Find DE by substituting for x .

(e) Check your answer

4. Early finishers: In the following two problems, solve for the value of x .

(a) $3x - 3 = x + 7$

(b) $\frac{1}{2}(4x + 2) = 7$

5. Given the linear function $f(x) = 2x - 6$.

(a) $f(x) = 0$. Find x .

(b) Find $f(2)$

6. Given $x^2 + 8x + 7 = 0$. Factor and find the roots.