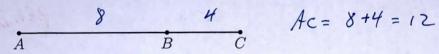
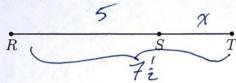
I can solve for segment lengths

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



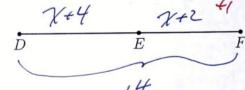
2. Given \overline{RST} , RS = 5, and $RT = 7\frac{1}{2}$.

(a) Find ST.



5+x= 7; X= 72-5= 22 +1

- (b) The postulate used in this problem is the Segment addition Post late
- 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

$$2 + 6 = 14$$

 $7x = 8$
 $x = 4 + 1$

(d) Answer the question. Find DE by substituting for x.

(e) Check your answer

$$((4)+4)+((4)+2)=14$$

8+6=14 \(\frac{14}{41}\)

8/8

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

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

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

$$2\pi + 1 = 7$$

$$2x = 6$$

$$y = 3$$

$$2x = $10$$

$$x = 5$$

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

5. Given the linear function
$$f(x) = 2x - \frac{1}{2}$$

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

$$\int (\tau) = 2x - \zeta = 0$$

$$2x = 6$$

$$7 = 3$$

(b) Find f(2)

$$f(z) = 2(z) - 6$$
= 4 - 6
= -2

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

$$(\chi+7)(\chi+1)=0$$

RELBY