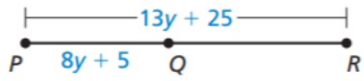
28. **MATHEMATICAL CONNECTIONS** Write an expression for the length of the segment.

a. $\overline{AC}$

b. $\overline{QR}$



29. **MATHEMATICAL CONNECTIONS** Point S is between points R and T on $\overline{RT}$. Use the information to write an equation in terms of x. Then solve the equation and find RS, ST, and RT.

a. $RS = 2x + 10$
$ST = x - 4$
$RT = 21$

b. $RS = 3x - 16$
$ST = 4x - 8$
$RT = 60$

c. $RS = 2x - 8$
$ST = 11$
$RT = x + 10$

d. $RS = 4x - 9$
$ST = 19$
$RT = 8x - 14$

28. **a.** $8x - 1$
b. $5y + 20$

29. **a.** $3x + 6 = 21$; $x = 5$; $RS = 20$; $ST = 1$; $RT = 21$
b. $7x - 24 = 60$; $x = 12$; $RS = 20$; $ST = 40$; $RT = 60$
c. $2x + 3 = x + 10$; $x = 7$; $RS = 6$; $ST = 11$; $RT = 17$
d. $4x + 10 = 8x - 14$; $x = 6$; $RS = 15$; $ST = 19$; $RT = 34$