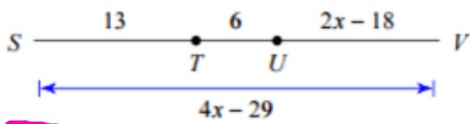


10.1.15

Statements	Justifications	Statements	Justifications
1. $-18 - 6k = 6(1 + 3k)$ $-18 - 6k = 6 + 18k$ $-6k = 6 + 18k$ $-6k - 18k = 6$ $-24k = 6$ $-24 = \frac{24k}{-24}$ $-1 = k$	Distribute Subtraction P.O.E. Division P.O.E.	2.  $\overline{ST} + \overline{TU} + \overline{UV} = \overline{SV}$ $13 + 6 + 2x - 18 = 4x - 29$ $4x - 2x = 4x - 29$ $-2x = -29$ $1 = 2x - 29$ $+29 \quad +29$ $30 = 2x$ $\frac{30}{2} = \frac{2x}{2}$ $15 = x$	Segment Addition Substitution Subtraction P.O.E. Addition P.O.E. division P.O.E.