

## Triangle Proportionality Theorem

In  $\triangle PQR$ ,  $\overline{ST} \parallel \overline{RQ}$ . If  $PT = 7.5$ ,  $TQ = 3$ , and  $SR = 2.5$ , find  $PS$ .

$$\frac{PS}{SR} = \frac{PT}{TQ}$$

$$\frac{x}{2.5} = \frac{7.5}{3}$$

$$PS =$$

