

Name \_\_\_\_\_

Date \_\_\_\_\_

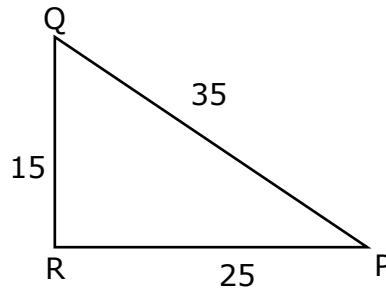
**Tangent Ratios - Step-by-Step Lesson**

Practice writing tangent ratios.

Write each trigonometric ratio.

a)  $\tan P$

b)  $\tan Q$

**Explanation:**

Tangent Ratio: for any acute angle  $\theta$  of a right triangle.

$$\tan \theta = \frac{\textit{Opposite}}{\textit{Adjacent}}$$

$$\tan P = \frac{\textit{Opposite}}{\textit{Adjacent}}$$

$$\tan P = \frac{RQ}{RP}$$

$$\tan P = \frac{15}{25}$$

$$\tan P = \frac{3}{5}$$

b. 
$$\tan Q = \frac{\textit{Opposite}}{\textit{Adjacent}}$$

$$\tan Q = \frac{PR}{RQ}$$

$$\tan Q = \frac{25}{15}$$

$$\tan Q = \frac{5}{3}$$

