

- 21** The point  $P$  has coordinates  $(-4, 5)$   
The point  $Q$  has coordinates  $(6, -6)$   
The point  $R$  has coordinates  $(k, k + 3)$   
Given that angle  $PRQ$  is a right angle,  
find the possible values of  $k$ .  
You must show all your working.