Triangle PQR has vertices P(5, −1), Q(−2, 8) and R(13, 3).
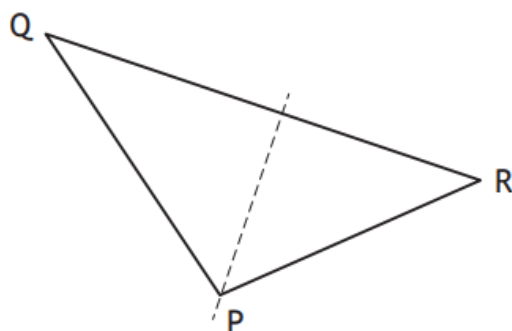
(a) Find the equation of the altitude from P. **3**

(b) Calculate the angle that the side PR makes with the positive direction of the x-axis. **2**

Answers:

(a) $y = 3x - 16$

(b)   26.6° (or 0.464 radians)