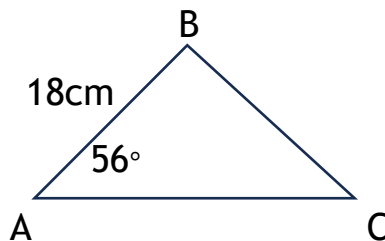


## National 5

### Task 37

1. Evaluate  $\frac{4}{9} \div (2\frac{1}{2} + \frac{5}{6})$ .
2. A function has equation  $f(x) = 2x^3 + 12x$ . Find the value of  $f(-2)$
3. The area of the triangle below is  $230\text{cm}^2$ .

Work out the length of AC.



4. Express  $\frac{5}{x+3} - \frac{4}{x-2}$  as a single fraction in its simplest form.
5. Simplify and express your answer with a positive index.  
 $(a^3)^{-2} \times a^4$
6. Find the gradient and  $y$  - intercept of line  $4x + 5y - 25 = 0$ .