

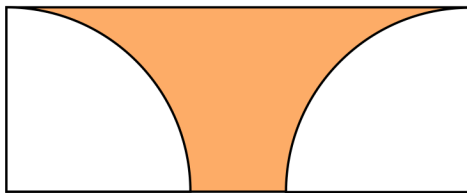


Expand and simplify

$$4y(y + 3) - 2y(y - 5)$$

Make  $x$  the subject of  $A = 9x - c$

4cm



11cm

Two quarter circles with radius 4cm are removed from a rectangle that is 11cm long and 4cm wide.

Calculate the perimeter of the shaded shape.

Simplify

$$\frac{w^{\frac{3}{4}} \times w^{\frac{1}{5}}}{w^{\frac{3}{10}}}$$