

17 (a) $k^x \times k^5 = k^{20}$

Find the value of x .

$x = \dots\dots\dots$ [1]

(b) Expand and simplify.

$$(x + 5)(x - 4)$$

$\dots\dots\dots$ [2]

(c) Factorise.

$$21r^3 - 7r$$

$\dots\dots\dots$ [2]

18 The diameter of a circle is 16 cm.

Find the area of the circle.
Leave your answer in terms of π .

$\dots\dots\dots \text{ cm}^2$ [2]

19 Find the number of sides of a regular polygon with interior angle 160° .

$\dots\dots\dots$ [2]