

IGCSE Pretest 1 (NON-CALCULATOR)

1. Write the figure 1 285 000 000:

- a) Correct to 2 significant figures.
- b) Correct to 3 significant figures.
- c) In standard form.

(4)

2. Solve each of the following:

a) $3x + 15 = 45$

b) $2(x - 1) = 12$

(4)

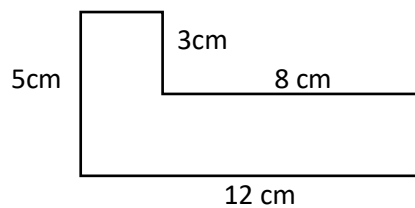
3. Fully factorise each of the following:

a) $2x - 14y$

b) $5x^2 - 10xy$

(4)

4. Determine the area of the shape below (it is not drawn to scale):



(3)

5. Expand and simplify:

a) $2(x + 5) + 3(x - 5)$

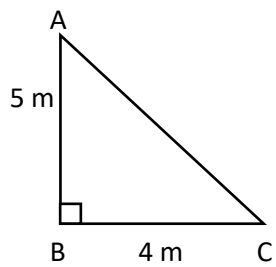
b) $4(x - 5) - 3(x - 4)$

(4)

6. Determine the area of a circle with a diameter of 10 mm.

(2)

7. Calculate the length of the side AC (without the use of a calculator).



(3)

8. Without the use of a calculator, work out the following:

$$2\frac{4}{5} + 3\frac{1}{4}$$

(3)

9. If the regular price of a coat is \$150, work out the price paid by the customer if a 20% discount is applied.

(3)