

YEAR 11 EXAM PREPARATION (Mock): UNIT 2 : 5

1) Make the letter in the bracket the new subject of the formula

a) $y = x + 4$ (x)

b) $T = \frac{q}{5}$ (q)

c) $F = 3y - 1$ (y)

d) $W = \pi D + q$ (D)

2) Expand

a) $2(x+3)$

b) $x(x+4)$

c) $3(2y-7)$

d) $2y(5+4y)$

e) $6z(2z-3)$

f) $3x(3x+2)$

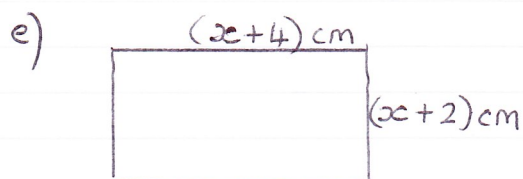
3) From the information given work out the requested quantity

a) Perimeter of a square is 40cm.
Calculate the area

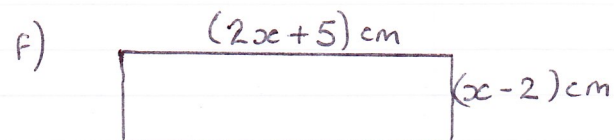
b) Perimeter of a square is 60cm.
Calculate the area

c) Area of a square is 81cm^2
Calculate the perimeter.

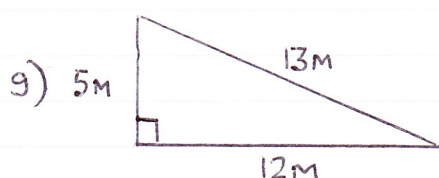
d) Area of a square is 256m^2
Calculate the perimeter.



The perimeter is 72cm.
Calculate x



The perimeter is 36cm.
Calculate x



Work out if the triangle is right-angled or not.