Duncanrig Secondary School – Mathematics Department

Level 3 Homework Exercise 8

Show all your working!

1. If a = 4 and b = 5, find the value of :-

   (a) a + b (b) a – b (c) ab (d) 5a – 3b

2. Copy each equation and solve :-

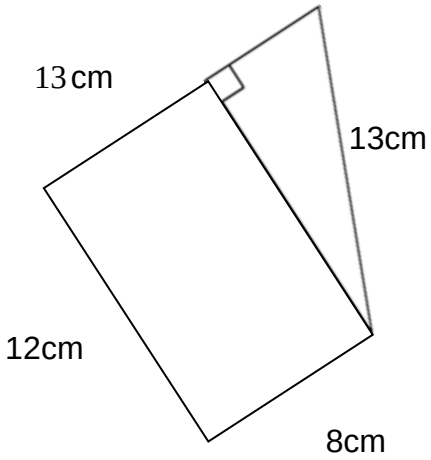
   (a) x + 4 = 7 (b) p – 4 = 6 (c) 5a = 10

   (d) 5x = 75 (e) 3x + 4 = 13 (f) 2x – 7 = 13

3. Sarah scored 32 out of 40 for her Geography test and 45 out of 60 for her Physics test. In which subject did she perform better? Change both marks Into percentages to help you decide.

4. Calculate:

   (a) (12 + (-3)) × 2 (b) ((-14) – (-6)) ÷ 4 (c) 8 × (4 – (-5)) ÷ 3 (d) $(-2)^3 – (-3)^2$

5. Calculate:

   (a) the perimeter of the shape.
   (b) the area of the shape.