1. Change the subject of the formula below to P.

$$Q = \frac{3(2P-R)}{4V^2}$$

2. In a town, the price of fuel per litre is recorded in 6 different garages. The results, in pence, are shown below.

$$130 \quad 139 \quad 134 \quad 133 \quad 136 \quad 138$$

a. Calculate the mean and standard deviation of the prices.

b. A city had its prices recorded in 6 garages.
   The mean price was 139 pence and the standard deviation was 2.63.
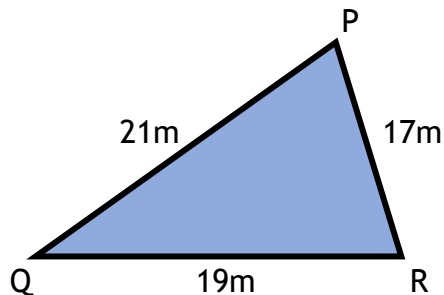
   Write two valid comments about the prices of fuel.

3. Expand each set of brackets and simplify.

   a) $(x^2 - 4x + 6)(2x + 3)$

   b) $(x - 4)(x + 5)(x + 2)$

4. A triangular section has been marked off in a pond. Its dimensions are shown below.

a) Calculate the size of angle PQR.
b) Calculate the area of the section marked.

5. Express $x^2 - 8x + 3$ in the form $(x - a)^2 + b$.

6. Two points have coordinates $(1,1)$ and (p^2, p).
   Find an expression for the gradient of the line in its simplest form. .

7. Solve the inequality below
$$4(4 - 3p) < 31 - 7p$$