QUESTION 1

a  Write the following in numeral form.
   i  Five hundred and nine thousand and sixty-three ______________________
   ii Eighty-three thousand and nine ______________________

b  Evaluate the following algebraic expressions when \( x = 4 \) and \( y = -12 \)
   i  \( x + y \) ______________________ ii  \( xy \) ______________________ iii \( x - y \) ______________________
   iv \( 3x + 2y \) ______________________ v \( (x-y)^2 \) ______________________ vi \( y^2 - x \) ______________________

QUESTION 2  Write in symbols.

a  The product of \( p \) and twice \( q \) ______________________

b  The sum of three times \( x \) and seven times \( y \) ______________________

c  The quotient of the product of \( p \) and \( q \) and the difference between \( p \) and \( q \) ______________________

QUESTION 3

a  Name the solid drawn. ______________________

b  Find the number of
   i  vertices ______________________
   ii edges ______________________
   iii faces ______________________

QUESTION 4  Draw in all axes of symmetry for the following plane figures.

a  

b  

c  

QUESTION 5  Find the areas of the following figures.

a  

b  

QUESTION 6  What is the length of time between:

a  10 a.m. and 11.00 a.m. ______________________ b  3.30 a.m. and 5.40 a.m. ______________________

c  5 p.m. and 9 p.m. ______________________ d  3.25 a.m. and 7.45 a.m. ______________________

e  6 a.m. and 11.00 a.m. ______________________ f  5.10 a.m. and 10.30 a.m. ______________________

Chapter 9: Length, mass and time