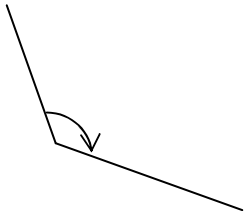
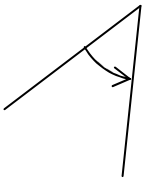
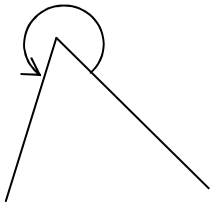
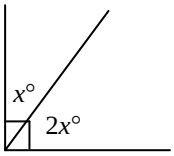
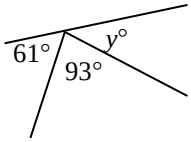
Year 7 Mathematics **Assignment 5** **Date Due:**

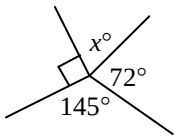
1. Simplify:
   (a) $12 + 3 \times 9$ (b) $(35 + 21) \div 7$ (c) $54 \div (12 - 3)$ (d) $42 \div 6 + 7 \times 12$
2. List the first 5 multiples of:
   (a) 15 (b) 36
3. List all the factors of each of the following:
   (a) 72 (b) 120
4. Find the Lowest Common Multiple (L.C.M) of:
   (a) 8, 5 (b) 9, 15 (c) 25, 75 (d) 3, 4, 5
5. Find the Highest Common Factor (H.C.F) of:
   (a) 35, 40 (b) 12, 18 (c) 7, 49 (d) 36, 45, 48
6. (a) List all the prime numbers between 20 and 40
   (b) Find $\sqrt{81}$
   (c) Find $\sqrt[3]{125}$
   (d) Find 13^2
   (e) Find 6^3
7. Measure the size of these angles and state what type of angle each one is:
   (a) (b) (c)

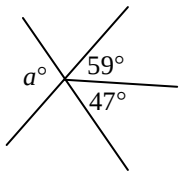




8. Find the value of each of the pronumerals, giving a brief reason for your answer.
   (a) (b) (c) (d)

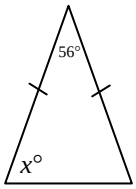








   (e)



9. (a) A 9.8km taxi trip costs David $19.60. How much is this per km?
   (b) Kate purchases 800 Telstra shares for $5.03 each. How much does the total share package cost?
   (c) What is the size of the smaller angle between the two hands on a clock face at 4 o'clock?
   (d) A number less than 100 gives a remainder of 2 when divided by 4, a remainder of 3 when divided by 5 and a remainder of 4 when divided by 6. Find the number.