

# Answers Exercises Chapter 3

**Answers Exercises Chapter 3** - If a number is divisible by 3, then the sum of its digits is divisible by 3 . b)  $8+7+6$  is divisible by 3. \_\_\_\_ 876 is divisible by 3. p: a number is divisible by 3. q: the sum of the digits is divisible by 3. Invalid Fallacy of the converse. c) I did poorly on the test or I did not to turn in the group projects. I know I turned in the group projects. Answer: When numbers appear in the messages, the variables  $x$  and  $y$  should be used in the print statement. a) The rabbit is 3. Answer: print 'The rabbit is %d.' %  $x$  b) The rabbit is 3 years old. Answer: print 'The rabbit is %d years old.' %  $x$ .  $3^2 + X^4$  2. (a) What is the expected value of  $Y$ ? 64 (b) What is the variance of  $Y$ ? 2048 (c) What is the probability of the event  $50 < Y < 80$ ? 0.24 3-2. Random variable  $X$  has a variance of 20 and  $Y$  has a variance of 5. Their correlation coefficient is 0.7. (a) Find the variance of their sum 39 (b) Find the variance of their difference. 11 3-3. View Exercises+Chapter+3 from ICT 1511 at University of South Africa. Chapter 3 Answers Exercises Page 48 Question 1 1.1 Planning: Description Name of item Price of item Name of item Price of