1 4	A for	10rv 1	nake	s iPar	15 (	Ner a l	ong period 3% of	2 You work a	taT	rer: -shirt nrintin	business Of 15		
them are found to be faulty. A random sample of 40 iPads is tested.							om sample of 40	C. YOU WORK AT A 1-SNIFT PRINTING DUSINESS. Of 15 T-shirts shipped, 5 are printed improperly. If you randomly chose three T-shirts out of the shipment.					
a. Find the probability that five iPads are faulty.							ds are faulty.	what is the chance that a. all T-shirts are printed correctly?					
b. Fi	ind tł	ne pro	obabi	lity t	hat c	at most	one iPad is faulty.	b. at least two	o T-s	hirts are prin	ited correctly?		
<ol> <li>How many different 7- digit</li> <li>Find the nur</li> </ol>							4. Find the num	ber of <b>5</b> . How many different 5 person					
phone numbers can be created if distinguing the second digit can't be a five or a letters						d if ve or a	distinguishable po letters in RHEE.	inguishable permutations of th ers in RHEE.			team of 12?		
<b>6</b> . T	īwo d	ice ar	re rol	led.	Wha	t is the	a) sum is even o	r a number	<b>7</b> . P	rofessor Hal	en has 184 students in		
<b>6</b> . Т 	wo d broba	ice ar bility 2	re rol that 3	led. the: 4	Wha 5	t is the	a) sum is even o less than 7?	r a number	7. P his The	rofessor Halo college mathe scores on th	en has 184 students in matics lecture class. e midterm exam		
6. T	wo d proba	ice ar bility 2	re rol that 3	led. the: 4	Wha 5	t is the	a) sum is even o less than 7?	r a number	7. F his The are	rofessor Halo college mathe scores on the <i>normally dist</i>	en has 184 students in matics lecture class. e midterm exam <i>ributed</i> with a mean of		
6. T	wo d proba	ice ar bility 2	re rol that 3	led. the: 4	Wha 5	t is the	<ul> <li>a) sum is even o less than 7?</li> <li>b) sum is even o less than 7?</li> </ul>	r a number and a number	7. F his The are 72.3 How	Professor Halo college mathe scores on the <i>normally dist</i> and a stando many studen	en has 184 students in matics lecture class. e midterm exam <i>ributed</i> with a mean of ard deviation of 8.9. Its in the class can be		
6. T 1 2 3 4	wo d proba	ice ar bility 2	re rol that 3	led. the: 4	Wha 5	t is the	a) sum is even o less than 7? b) sum is even o less than 7?	r a number and a number	7. F his The are 72.3 How exp	Professor Halo college mathe scores on the <i>normally dist</i> and a stando many studen ected to rece	en has 184 students in matics lecture class. e midterm exam <i>ributed</i> with a mean of ard deviation of 8.9. Its in the class can be live a score between 8		
6. T F 1 2 3 4 5	wo d proba	ice ar bility 2	re rol that 3	led. the: 4	Wha 5	t is the	<ul> <li>a) sum is even o less than 7?</li> <li>b) sum is even o less than 7?</li> <li>c) sum is 5 give</li> </ul>	r a number and a number n that one	7. F his The are 72.3 How exp and	Professor Halo college mathe scores on the <i>normally dist</i> and a stando many studen ected to rece 90?	en has 184 students in ematics lecture class. e midterm exam <i>ributed</i> with a mean of ard deviation of 8.9. Its in the class can be live a score between 8		
6. T F 1 2 3 4 5 6	wo d proba	ice ar bility 2	re rol that 3	led. the: 4	Wha 5	t is the	<ul> <li>a) sum is even of less than 7?</li> <li>b) sum is even of less than 7?</li> <li>c) sum is 5 give die is a 2?</li> </ul>	r a number and a number n that one	7. F his The are 72.3 How exp and	Professor Hald college mathe scores on the <i>normally dist</i> and a stande many studen ected to rece 90?	en has 184 students in matics lecture class. e midterm exam <i>ributed</i> with a mean of ard deviation of 8.9. Its in the class can be Sive a score between 8		
6. T 1 2 3 4 5 6 8. A of so Supp is no. must find hund	mach mach da di ose t rmall have the g	ice ar bility 2 nine is ispens the an <i>betwo</i> reate <i>h</i> , tha	s used s used s used in nount tribut veen t can	d to f the: d to f to ec of s ted. 585 c tanda	Wha 5 fill sc ach b oda c If at and 5 rd de illowe	t is the	<ul> <li>a) sum is even of less than 7?</li> <li>b) sum is even of less than 7?</li> <li>c) sum is 5 give die is a 2?</li> <li>tles. The amount aries slightly.</li> <li>ed into the bottles 29% of the bottles iliters of soda, a, to the nearest</li> </ul>	r a number and a number n that one 9. Sketch a bin width of 11 18 15 13	7. F his The are 72.3 How exp and relat 4 and 19	rofessor Halo college mathe scores on the <i>normally dist</i> and a stando many studen ected to rece 90?	en has 184 students in ematics lecture class. e midterm exam <i>ributed</i> with a mean of ard deviation of 8.9. Its in the class can be live a score between 8. y distribution using a core of 10. 20		

<b>10.</b> Simplify $a(7x^8y^{-5})^{-2}(3x^3y^{-2})^2$	<b>b)</b> $\left(\frac{1}{8}\right)^{-\frac{2}{3}}$	11. Sk a) y=	etch 2 <sup>x-3</sup> -5		<b>b)</b> $y = -(x+4)^3$	-3	$\mathbf{c}) y = -\sqrt{x+2} + 6$
12. A store produces populate needs $1m^2$ of cotting jacket needs $1.5m^2$ of cotting store has $750m^2$ of cotting available. The profit is a for each jacket. Write the store's profits.	ints and sports jacker fon and 2 $m^2$ of polyes otton and 1 $m^2$ of poly ton and 1000 $m^2$ of p \$50 for each pair of the constraints need	ts. Each ster. Eve yester. polyeste pants an ed to ma	n pair of ery The r nd \$40 aximize	13. a) 2	Factor 2x <sup>7</sup> - 8x <sup>3</sup>	b)	$6x^3 + 13x^2 - 5x$
<b>14.</b> Solve $3(\sqrt{2x+1})^2$	$-19(\sqrt{2x+1})-14 =$	0	15. A three o probabi Let X b correct a) Find b) Find	test h f the lity th e the ly. E(X) the pr	nas five questions. questions must be a nat Mark answers a number of question robability that Mar	To p answ ques is th k pa:	ass the test, at least ered correctly. The stion correctly is $\frac{3}{5}$ . at Mark answers sses the test.
16 A bag of marbles of	ontains 4 blue and 2 c	reen ma	irbles Ti	NO MO	irbles are chosen wi	ithou	it replacement
a) Draw a tree diag probabilities.	ram including the		c)	Vou g marbl	get \$8 when you ge le, but must pay \$6 les. Find the expect	ribu s cha t the whe red v	tion chart for the osen. e at least one green n you get both blue value.
			d)	Is the	e "game" fair?		