Module 2 Review

- Trudy has purchased a bottle of vitamins for her daughter. The vitamins are colored and there are 21 red, 24 green, 16 orange, and 14 purple. When droosing one vitamin, what is the probability of droosing.
 - a aredvitanin?
 - b apurplevitanin?
 - c ageencroagevitanin?
 - d two green vitamins (without replacement)?
- 2 A childres 19 perries, 12 ridels, 7 dimes, and 8 quarters in his piggy bank. If the child shakes the piggy bank and one coin falls out, what is the probability that the coin is
 - a anidel?
 - b aquater crapenty?
 - c afifty cent piece?
- 3 A survey of 150 people's eye color was taken with the following results:

	Male	Female	Total
Blue	25	35	60
Brown	41	30	71
Green	4	15	19
Total	70	80	150

If an eperson is descentificant his survey at random, what is the probability that the person

- a isafemele?
- b isameleardhasbrowneyes?
- c does not have green eyes?
- d hashlueeyesorisamale?
- e has green or brown eyes?

- 1
- f. has geeneyes given he is a male?
- g isamelegivenhehasbrowneyes?
- h has browneyes given shels a female?
- 4 A batch of inclustrial calls is known to have 12 defective calls and 88 good cares. It was shipped out by mistake from the factory. is batch is alateoreceived by at he customer and a superfective calls and 88 good cares. It was shipped out

12 Howmen	y different routes ca	nasaleswonanhav	eifshemustvisit5	5diffeent companies in a day	?

13 Friendly Travel Agency provided the following table of information. The table gives the number of customers per day who use a cedit card and the probabilities of each

Number of Customers Using	p(x)
Credit Cards, x	Po

4 Theprobability that 0, 1, 2, 3 or 4 people will beplaced on hold when they call a radio talk sho	wis