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NAME	CLASS	DATE
Practice	ж к	2 / / / / / / / / / / / / / / / / / / /
11.1 A Introduction	to Probability	
Find the probability of each event.		š
1. A blue card is drawn at random fro 1 red card, and 7 blue cards.	om a bag containing 2 whit	e cards,
2. Frederique, who arrives home at 6: that can come at any time between		a call
3. A letter chosen at random from the is a vowel.	e letters of the word permu	tation
4. A card chosen at random from a state a diamond.	andard 52-card deck is a he	eart or
5. A card chosen at random from a st	andard deck is not an 8 or	an ace.
6. A number cube is rolled, and a num 6 results.	nber greater than 3 and les	s than
7. A letter chosen at random from the 5 standard vowels.	e alphabet is not one of the	
8. A point on a 12-inch ruler is chosen an inch of an end of the ruler.	n at random and is located	within
A spinner is divided into three color	red regions. You spin the	green 42
spinner a total of 150 times. The res		yellow 65
table. Find the experimental probab	onity of each event.	pink 43
9. green		
10. yellow	11. pink	
12. not pink	13. not yellow	
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Find the number of possible license letters or digits excluded) for each of		ns:
14 6 digits		

15. 2 letters followed by 3 digits _____

17. 5 digits followed by 2 letters _____

18. 2 digits followed by 2 letters followed by 2 digits _____

16. 4 letters followed by 3 digits _____

Answers:

$$1.x = -1,4$$

$$3. \ \frac{\log 6}{\log 2} - 1$$

5.
$$f^{-1}(x) = \frac{3x+1}{2}$$

6.
$$(5x + 2y)(25x^2 - 10xy + 4y^2)$$

8.
$$a_n = 25 - 6(n-1)$$

$$9. \ \frac{\sqrt[3]{9x^2y}}{3x}$$

$$10.\ 1\pm3i$$