Probability/Statistics

Worksheet 4.2

Using a standard deck of cards, find the probability of each <u>with replacement</u>.

1. P(2 and 5)

2. P(k and k)

3. P(7 and spade)

4. P(ace and 3)

Using a standard deck of cards, find the probability of each <u>without</u> <u>replacement</u>.

5. P(6 and 7)

6. P(j and heart)

7. P(9 and 9)

8. P(1 and 10)

Using a standing deck of cards, find the probability.

9. P(2 or queen)

10. P(club or 4)

11. P(7 or spade)

12. P(dia or heart)

Using two fair die, find the probability of each.

13. P(2 and 5)

14. P(4 and 4)

15. P(sum of 10)

16. P(sum of 9)

Using a bag of marbles that contains 6 blue, 10 red, 3 yellow, and 1 green, find the probability of each <u>with replacement</u>.

17. P(b, r)

18. P(g, b)

19. P(r, y)

20. P(y, r)

Answer each.

21. Is it possible for P(A) = .4?

22. Is it possible for P(A) = 12/7?

23. If P(A) = .32, what is its complement?

24. P(A) = .54, what is P(not A)?