1. The probability of having a boy is 0.51.
What is the probability that among 5 consecu
a) just 3 girls

b) maximum 3 boys

c) just 3 boys

2. The probability of success (hitting the basl
What is the probability of hitting the basket:
a) just 6x?

b) maxium 5x?

c) less than 3x?

3. The number of telephone connections to t

a) What is the probability that the system rec

b) no more than 6 calls per hour?

c) at least 1 call per 40 minutes?

4. There are 4 defective products per 100 pro

What is the probability that they will:

a) 2 defective products in 100 products?

b) 4 defective products in 200 products?

c) no more than 2 defective products in 50 pr

tive children there will be:

d) at least 3

$E(X) = n*p =$
$D(X) = n*p*($

ket) is 0.7. We have 6 attempts.

$E(X)=6*0,7$
$D(X)=6*0,7*$

:he rescue system is an average o

eives 6 calls in 30 minutes?

oducts. <mark>at= 4</mark>

oducts?

boys

5*0,51=   2.55
(1-p) = 5*0,51*0,49=

0,3

of 2 calls per 20 minutes.   2h ...20min

<mark>　　　　　　　</mark>

E(X) = D(X)= 2

<mark>　　　　　　　　　　　　　　　　　　　</mark>

1.2

at=2