

RJEŠENJA 1. MEĐUISPITA IZ VJEROJATNOSTI I
STATISTIKE
28.03.2008.

1. predavanja

2. a)

$$p = \frac{112}{729}$$

b)

$$p = \frac{120}{729}$$

c)

$$p = \frac{784}{729}$$

3.

$$p = \frac{1}{16}$$

4.

$$p = 0.49263$$

5.

$$E(X + Y) = \frac{7}{8}$$
$$D(X + Y) = \frac{23}{64}$$

6. a)

$$P\{X_1 + X_2 = n\} = (n-1)p^2(1-p)^{n-2}, \quad n = 2, 3, \dots$$

b)

$$P\{Y > 3\} = \frac{20}{27}$$

7. a) predavanja

b) predavanja

c)

$$p = 1 - \frac{17}{2}e^{-3}$$