







X has the probability density function as given in the table:

x	1	2	3	4	5
P(X=x)	0.15	0.2	0.3	0.2	0.15

Y has the probability density function as given in the table:

y	1	2	3
P(Y=y)	0.2	0.5	0.3

The variables P, Q and R are as follows:

$$P = 2X + 3$$

$$Q = 3X - 2$$

$$R = 2X^2 - X + 1$$

A rectangle has length P and width Q.

A triangle has base P and height Q.

A regular hexagon has side of length P.

A regular decagon has side of length Q.