

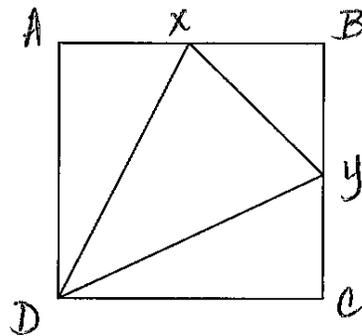
5. If a is a number that is randomly selected from set A , and b is a number that is randomly selected from set B , what is the probability that $ab < 0$?

$$A = \{-5, -3, -2, 0, 1\}$$

$$B = \{-1, 2, 4, 6\}$$

- a) $1/2$
- b) $5/8$
- c) $11/20$
- d) $7/10$
- e) $4/5$

6. In the accompanying figure, $ABCD$ is a square with sides of length 8. Points X & Y are the midpoints of sides AB and BC , respectively. If a point is randomly selected from the interior of the square, what is the probability that the point will be chosen from the interior of $\triangle DXY$?



7. The accompanying figure shows the nets of two paper cubes. The nets are folded into cubes and tossed onto a table. What is the probability that NEITHER cube will show a solid white or solid blue surface facing up?

