KQS COACHING CENTER

Date:	Class: XI Paper: Math	Time: 45 minutes	Max. Marks: 35 Test # 1

|NAME: | |F.NAME:

Q#1: If A= $\{a, b, c, d\}$, B= $\{b, c, d, e\}$, C= $\{c, d, e, f\}$, U = $\{a, b, c, d, e, f\}$ then find $(A \cup B)' \times (B \cap C') - (B \triangle C)'$;

Q#2: i.
$$(7, -9) + (3,5)$$
 ii. $(-2, 1) \left(-\frac{2}{5}, -\frac{1}{5}\right)$;

Q#3: Solve i.
$$(x + 2yi)^2 = xi$$
 ii. $(-x, 3y) = (2, 0)$;

Q#4: Factorize i. $4a^2 + 9b^2$ ii. $3m^2 + 8t^2$; Q#5: find the imaginary part i. $\frac{2-i}{3i}$ ii. $\frac{3a+2bi}{a-bi}$



35

Q#6: Verify triangle inequality for $z_{1} = 3+4i$ $z_{2} = 1-i$

Prepared by: Sir Hasnain Contact #: 03312189275 Email address: Hasnainkhankqs@gmail.com

KQS COACHING CENTER

Date:	Class: XI Pape	er: Math	Time: 45 minutes	Max. Marks: 35	Test # 1
-------	--------------------	----------	------------------	----------------	----------

____ | |F.NAME: ____ |NAME:

Q#1: If A= $\{a, b, c, d\}$, B= $\{b, c, d, e\}$, C= $\{c, d, e, f\}$, U= $\{a, b, c, d, e, f\}$ then find $(A \cup B)' \times (B \cap C') - (B \Delta C)'$;

Q#2: i. (7, -9) + (3,5) ii. $(-2, 1) \left(-\frac{2}{5}, -\frac{1}{5}\right)$; Q#3: Solve i. $(x + 2yi)^2 = xi$ ii. (-x, 3y) = (2, 0);



Q#4: Factorize i. $4a^2 + 9b^2$ ii. $3m^2 + 8t^2$; Q#5: find the imaginary part i. $\frac{2-i}{3i}$ ii. $\frac{3a+2bi}{a-hi}$ Q#6: Verify triangle inequality for $z_{1} = 3+4i$

Prepared by: Sir Hasnain Contact #: 03312189275 Email address: Hasnainkhankqs@gmail.com

KQS COACHING CENTER

| | Class: XI | | Paper: Math | Date: ____ | Time: 45 minutes | | Max. Marks: 35 | | Test # 1 |

|NAME:

Q#1: If A= $\{a, b, c, d\}$, B= $\{b, c, d, e\}$, C= $\{c, d, e, f\}$, U= $\{a, b, c, d, e, f\}$ then find $(A \cup B)' \times (B \cap C') - (B \Delta C)'$;

Q#2: i. (7, -9) + (3,5) ii. $(-2, 1) \left(-\frac{2}{5}, -\frac{1}{5}\right)$;

Q#3: Solve i. $(x + 2yi)^2 = xi$ ii. (-x, 3y) = (2, 0);

Q#4: Factorize i. $4a^2 + 9b^2$ ii. $3m^2 + 8t^2$; Q#5: find the imaginary part i. $\frac{2-i}{3i}$ ii. $\frac{3a+2bi}{a-hi}$



Q#6: Verify triangle inequality for $z_{1} = 3+4i$ $z_2 = 1 - i$

Prepared by: Sir Hasnain Email address: Hasnainkhankqs@gmail.com Contact #: 03312189275