

Name : \_\_\_\_\_

**Arrange & Order**

Multi Variables: S5

A) Arrange the following expressions in an increasing order for the given value in each problem.

1)  $(x - 4)(y + 4)$ ,  $x^2y^2z$ ,  $\frac{x^2 + yz}{x + y + z}$  at  $x = -6, y = 8, z = 2$

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2)  $uv + 6$ ,  $uv - 5v + uv^2 - 1$ ,  $6uv^2 + uv - uv$  at  $u = 5, v = 2$

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3)  $2 + 6a$ ,  $(a^2 + 1)$

$c = 10$

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B) Arrange the following expressions in an increasing order for the given value in each problem.

1)  $rs - 3rs$ ,  $r^2s +$

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2)  $a^2b(c + b)$ ,  $ab$

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3)  $6mn^2$ ,  $(m + n)(3mn)$ ,  $m^2n^2$ ,  $m^2(n + 1)$ , at  $m = 9, n = 2$

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