

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 $x = -6, y = 8, z = 2$

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

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

$c = 10$

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

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

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

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

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Answer key

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$(x - 4)(y + 4)$, $\frac{x^2 + yz}{x + y + z}$, x^2y^2z

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

uv ,

PREVIEW

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

$c = 10$

$bc + 1$

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

the given value

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

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2) $a^2b(c + b)$, $abc + 5$

$a^2b(c + b)$, $a^2bc + 5$, $ab - c$, abc

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

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