

Name : _____

Arrange & Order

Multi Variables: S4

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

1) $p^2 - 1$, $3pq + 3$, $\frac{2q}{9} + r$ at $p = 3, q = -9, r = 1$

2) xy , $xy + x^2y + 10x + 1$, $4xy^2 - 2(x^2 + y)$ at $x = 6, y = 4$

3) $d^2 + c(8d + 1)$,

2

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

the given value

1) t^2uv , $tu^2(2u + 1)$

2) $\frac{c^2d}{c + d^2 + 6}$, 2

3) $r^2 + 1$, rst^2 , $t(r + 1)(r - 2)$ at $r = 6, s = 12, t = 1$

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Answer key

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$3pq + 3, \frac{2q}{9} + r, p^2 - 1$

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xy

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$2c^2d, cd - d, \frac{c^2d}{c + d^2 + 6}$

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$rst^2, r^2 + 1, t(r + 1)(r - 2)$