

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

## Arrange & Order

Multi Variables: S2

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

1)  $ab^2c + 2abc$ ,  $\frac{a}{2} + b$ ,  $2a + bc$ ,  $a^2bc$  at  $a = 2, b = 4, c = 5$

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2)  $pqrs$ ,  $3p^2q(s+r)$ ,  $pq + 3r^3c + ps + 1$  at  $p = 4, q = 1, r = 2, s = 10$

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3)  $4uv^2$ ,  $uv - 3$ ,

\_\_\_\_\_

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

1)  $m^2n - n$ ,  $mn -$

\_\_\_\_\_

2)  $x^2 + 2yz$ ,  $(2x +$

\_\_\_\_\_

3)  $(s + 1)(t - 2)$ ,  $\frac{t}{s + 10} + 1$ ,  $2st - 1$ ,  $st + 1$  at  $s = 20, t = 30$

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## Answer key

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$\frac{a}{2} + b$ ,  $2a + bc$ ,  $a^2bc$ ,  $ab^2c + 2abc$

2)  $pqrs$ ,  $3p^2q(s+r)$ ,  $np + 3r^3c + ns + 1$  at  $n = 4, a = 1, r = 2, s = 10$

3)

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3)  $4uv^2$ ,  $uv - 3$ ,

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

1)  $m^2n - n$ ,  $mn - n$ ,

2)  $x^2 + 2yz$ ,  $(2x + 6y)(y + 5z)$ ,

$3x^2yz^3$ ,  $(2x + 6y)(y + 5z)$ ,  $x^2 + 2yz$

3)  $(s + 1)(t - 2)$ ,  $\frac{t}{s + 10} + 1$ ,  $2st - 1$ ,  $st + 1$  at  $s = 20, t = 30$

$2st - 1$ ,  $st + 1$ ,  $(s + 1)(t - 2)$ ,  $\frac{t}{s + 10} + 1$ ,