

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

**Arrange & Order**

Multi Variables: S1

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

1)  $y^2 + 3xy - 9$ ,  $\frac{y}{6} + 1$ ,  $2xy(5x - 2)$ ,  $x^2y + 5$  at  $x = 1, y = 3$

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2)  $2m^2n(4m + 5)$ ,  $3mn^3$ ,  $(m + 2)(n - 3)$  at  $m = 1, n = 2$

\_\_\_\_\_

3)  $2abc + 4$ ,  $3a^2$  at  $c = 1$

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

1)  $(c - d)(2c + d)$ ,

\_\_\_\_\_

2)  $(p + q)(p - r)$ ,

\_\_\_\_\_

3)  $x^2yz$ ,  $xy(x^2z)$ ,  $xy^2z$  at  $x = 5, y = 3, z = 10$

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## Answer key

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$\frac{y}{6} + 1$ ,  $x^2y + 5$ ,  $y^2 + 3xy - 9$ ,  $2xy(5x - 2)$

2)  $2m^2n(4m + 5)$ ,  $3mn^3$ ,  $(m + 2)(n - 3)$  at  $m = 1, n = 2$

(m

# PREVIEW

3)  $2abc + 4$ ,  $3a^2$

c = 1

a<sup>2</sup>b

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

the given value

1)  $(c - d)(2c + d)$ ,  $c^2$

c

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2)  $(p + q)(p - r)$ ,  $pqr(3pq + r)$

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3)  $x^2yz$ ,  $xy(x^2z)$ ,  $xy^2z$  at  $x = 5, y = 3, z = 10$

$xy(x^2z)$ ,  $x^2yz$ ,  $xy^2z$