

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

**Arrange & Order**

Single Variable: S3

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

1)  $a^3 + 2a - 1$ ,  $a - 5$ ,  $a^2 + 1$ ,  $5a^3$  at  $a = 3$

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2)  $x^2 + 1$ ,  $2x + 7$ ,  $(x^2 + 1)(x - 5)$ ,  $3x$  at  $x = 4$

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3)  $3z(2z^2 - 1)$ ,  $\frac{z}{2}$

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

1)  $c^2 + 2c - 4$ ,  $6$

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2)  $(v + 2)(v - 10)$ ,

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3)  $(3b + 2)(2b + 1)$ ,  $\frac{b + 1}{b - 5} + 7$ ,  $2b^2 - 3$ ,  $b^3 + 2$  at  $b = 8$

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