

Name : _____

Arrange & Order

Single Variable: S5

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

1) $b^2 + 7$, $(3b - 5)(b + 2)$, $4b^3 + 2b^2 - b + 10$ at $b = -1$

2) $(t - 3)(t + 8)$, $t^2 + 2t + 6$, $t^2 + 2t + 3$ at $t = 6$

3) $s^3 - 2s^2 + 1$, $4s$

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

1) $(2u - 7)(u + 5)$

2) $4p - 6$, $2p^2 -$

3) $s^3 - 2$, $s + 3$, $\frac{s}{2} - 1$, $(s + 5)(s - 4)$ at $s = -2$

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Answer key

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1) $b^2 + 7$, $(3b - 5)(b + 2)$, $4b^3 + 2b^2 - b + 10$ at $b = -1$

$(3b - 5)(b + 2)$, $b^2 + 7$, $4b^3 + 2b^2 - b + 9$

2) $(t - 3)(t + 8)$, $t^2 + 2t + 6$, $t + 2$, $2t + 3$ at $t = 6$

$\frac{t}{3}$

3) $s^3 - 2s^2 + 1$, $4s$

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

1) $(2u - 7)(u + 5)$

2) $4p - 6$, $2p^2 -$

3) $s^3 - 2$, $s + 3$, $\frac{s}{2} - 1$, $(s + 5)(s - 4)$ at $s = -2$

$s + 3$, $\frac{s}{2} - 1$, $s^3 - 2$, $(s + 5)(s - 4)$

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