

Name : _____

Arrange & Order

Single Variable: S4

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

1) $3r + 5$, $\frac{r}{4} - 3$, $5r$, $(r - 1)(2r + 2)$ at $r = 8$

2) $y^2 + 2y - 8$, $y^3 + 1$, $4v^2(v - 5)$, $6v - 3$ at $v = 3$

3) $4v$, $v^2(v + 5)$,

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

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

2) $\frac{n}{2} + 7$, $2n - 5$, $n^2 + 1$, $3n$ at $n = 4$

3) $(t - 3)(t + 6)$, $t^2 - 5t$, $8t$, $4t - 1$ at $t = 1$

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Answer key

Arrange & Order

Single Variable: S4

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

1) $3r + 5$, $\frac{r}{4} - 3$, $5r$, $(r - 1)(2r + 2)$ at $r = 8$

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

2) $y^2 + 2y - 8$, $y^3 + 1$, $4v^2(v - 5)$, $6v - 3$ at $y = 3$

$4y$

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3) $4v$, $v^2(v + 5)$,

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

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

the given value

2) $\frac{n}{2} + 7$, $2n - 5$, $4n^2 - 6n + 3$, $2n - 5$

$6n^2$, $\frac{n}{2} + 7$, $4n^2 - 6n + 3$, $2n - 5$

3) $(t - 3)(t + 6)$, $t^2 - 5t$, $8t$, $4t - 1$ at $t = 1$

$8t$, $4t - 1$, $t^2 - 5t$, $(t - 3)(t + 6)$