

Name : _____

Single Variable: S2

Arrange & Order

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

1) $(s^3 - 6s + 1)$, $\frac{s^2 + 2s + 1}{s + 5}$, $2s - 4$, $s^2 + 7$ at $s = -3$

2) $v^2 + 2$, $3v^3 - 5$, $7v^2$, $v + 1$ at $v = 1$

3) $\frac{t}{2} - 1$, $3t^2 + 2$

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

1) $x + 4$, $(2x - 1)$

2) $(m + 6)(m - 3)$

3) $(y + 6)(y - 2)$, $\frac{y}{2} + 5$, $7y - 3$, $y^2 + 2$ at $y = 4$

PREVIEW

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Name : _____

Answer key

Single Variable: S2

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1) $(s^3 - 6s + 1)$, $\frac{s^2 + 2s + 1}{s + 5}$, $2s - 4$, $s^2 + 7$ at $s = -3$

$2s - 4$, $(s^3 - 6s + 1)$, $\frac{s^2 + 2s + 1}{s + 5}$, $s^2 + 7$

2) $v^2 + 2$, $3v^3 - 5$, $7v^2$, $v + 1$ at $v = 1$

3) $\frac{t}{2} - 1$, $3t^2 + 2$

$\frac{t}{2}$

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

1) $x + 4$, $(2x - 1)$

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2) $(m + 6)(m - 3)$

$2m^2 + 3m - 1$, $(m + 6)(m - 3)$, $m^2 + 7$

3) $(y + 6)(y - 2)$, $\frac{y}{2} + 5$, $7y - 3$, $y^2 + 2$ at $y = 4$

$7y - 3$, $(y + 6)(y - 2)$, $y^2 + 2$, $\frac{y}{2} + 5$