

Name : _____

Arrange & Order

Multi Variables: S3

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

1) $d - 1$, $cd^2 + d$, $\frac{2cd - c}{c}$, $c^2 + 1$ at $c = 15$, $d = -10$

2) $3a + b$, $cb + a$, $2ab - 1$, $a^2b + c$ at $a = -2$, $b = -3$, $c = 4$

3) $(m^2 + 3)(n - 2)$

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

1) $x^2y + 3$, $2x - 1$

2) $(u + 1)(v - 1)$,

3) p^2qr , $s^2 + t$, $st - qr$, $p^2 + 1$ at $p = 1$, $q = 3$, $r = -1$, $s = 2$, $t = 0$

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Answer key

Arrange & Order

Multi Variables: S3

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

1) $d - 1$, $cd^2 + d$, $\frac{2cd - c}{c}$, $c^2 + 1$ at $c = 15$, $d = -10$

$\frac{2cd - c}{c}$, $d - 1$, $c^2 + 1$, $cd^2 + d$

2) $3a + b$, $cb + a$, $2ab - 1$, $a^2b + c$ at $a = -2$, $b = -3$, $c = 4$

3) $(m^2 + 3)(n - 2)$

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

1) $x^2y + 3$, $2x - 1$, $xy + 2$, $xy + 1$ at $x = 2$, $y = 3$

2) $(u + 1)(v - 1)$, $uv + 2v$, $uv + 1$, $uv - 1$

$uv + 2v$, $(u + 1)(v - 1)$, $uv + 1$, $uv - 1$

3) p^2qr , $s^2 + t$, $st - qr$, $p^2 + 1$ at $p = 1$, $q = 3$, $r = -1$, $s = 2$, $t = 0$

$s^2 + t$, $st - qr$, $p^2 + 1$, p^2qr

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