Evaluating Algebraic Expressions

Name _____

Score _____

EAE:26

Arrange the expressions in an ascending order by substituting the given variable values.

1) $p + q$; $2pq$; $q - p$; $6(p - 1)$ when $p = -3$; $q = 4.5$

    _____

2) $3z - 7$; z^3 ; $z - 1$; $z(z + 4)$ when $z = -1$

    _____

3) cd ; $c - d$; $c + 4$; $5 - d$ when $c = 2$; $d = 10$

    _____

Arrange the expressions in descending order by substituting the given variable values.

1) $3t^3$; $t - 9$; $6t$; $t(1 + t)$ when $t = 1.1$

    _____

2) g^2 ; $g - h$; $g + h$; $h^2 - g$ when $g = 2$; $h = -10$

    _____

3) $\dfrac{a}{2}$; $a(a + 5)$; $4a$; $(a - 2)(a + 6)$ when $a = 4$

    _____

Evaluating Algebraic Expressions

Answer key

Arrange the expressions in an ascending order by substituting the given variable values.

1) $p + q$; $2pq$; $q - p$; $6(p - 1)$ when $p = -3$; $q = 4.5$

2pq ; 6(p – 1) ; p + q ; q – p

2) $3z - 7$; z^3 ; $z - 1$; $z(z + 4)$ when $z = -1$

3z – 7 ; z(z + 4) ; z – 1 ; z³

3) cd ; $c - d$; $c + 4$; $5 - d$ when $c = 2$; $d = 10$

c – d ; 5 – d ; c + 4 ; cd

Arrange the expressions in descending order by substituting the given variable values.

1) $3t^3$; $t - 9$; $6t$; $t(1 + t)$ when $t = 1.1$

6t ; 3t³ ; t(1 + t) ; t – 9

2) g^2 ; $g - h$; $g + h$; $h^2 - g$ when $g = 2$; $h = -10$

h² – g ; g – h ; g² ; g + h

3) $\dfrac{a}{2}$; $a(a + 5)$; $4a$; $(a - 2)(a + 6)$ when $a = 4$

a(a + 5) ; (a – 2)(a + 6) ; 4a ; $\dfrac{a}{2}$