Order of Operations

Plug in the numbers, and simplify

$$\frac{x(y+z)^2}{z} - \frac{y}{x+z}$$

1. $x = 4 \;\; y = 9 \;\; z = -1$

2. $x = 2 \;\; y = -7 \;\; z = -4$

3. $x = -5 \;\; y = -8 \;\; z = 4$

4. $x = 2 \;\; y = -2 \;\; z = -4$

5. $x = -1 \;\; y = 8 \;\; z = -1$

Order of Operations

Plug in the numbers, and simplify

$$\frac{a}{b-c} + \frac{b(c-d)}{b-d}$$

6. $a = -3$ $b = -2$ $c = 1$ $d = -4$

7. $a = 6$ $b = -8$ $c = -2$ $d = -9$

8. $a = -4$ $b = 9$ $c = 5$ $d = 8$

9. $a = -6$ $b = 8$ $c = 9$ $d = 7$

10. $a = 6$ $b = -3$ $c = -9$ $d = -4$

Order of Operations

Plug in the numbers, and simplify

$$\frac{4(l+m)^2}{(l-n)} + \frac{2(m-n)^2}{o}$$

11. $l = -6$ $m = 5$ $n = -5$ $o = 8$

12. $l = -7$ $m = -2$ $n = 2$ $o = 4$

13. $l = -2$ $m = -4$ $n = -4$ $o = 2$

14. $l = -3$ $m = 1$ $n = 5$ $o = -1$

15. $l = 1$ $m = -7$ $n = -8$ $o = 2$

Order of Operations

Plug in the numbers, and simplify

$$P^4 - 4Q^3 + 2R^2$$

16. $P = 2 \;\; Q = -3 \;\; R = -5$

17. $P = -2 \;\; Q = 5 \;\; R = 3$

18. $P = 1 \;\; Q = 5 \;\; R = 2$

19. $P = -4 \;\; Q = -5 \;\; R = 1$

20. $P = 3 \;\; Q = 4 \;\; R = 4$

Order of Operations

Plug in the numbers, and simplify

$$\frac{6e - 4f}{3g + h}$$

21. $e = -4$ $f = -9$ $g = 1$ $h = -4$

22. $e = 8$ $f = -1$ $g = -2$ $h = 2$

23. $e = 7$ $f = 5$ $g = -3$ $h = -2$

24. $e = -2$ $f = -9$ $g = 3$ $h = -1$

25. $e = 2$ $f = 6$ $g = -1$ $h = 2$

Order of Operations

Plug in the numbers, and simplify

$$\frac{rs}{s(r-t)} - \frac{t(s-t)}{rt}$$

26. $r = -4$ $s = 1$ $t = -3$

27. $r = 1$ $s = -1$ $t = 2$

28. $r = -2$ $s = 5$ $t = -3$

29. $r = -2$ $s = -5$ $t = -3$

30. $r = -3$ $s = 1$ $t = -2$