Evaluating Expressions 1/2

Steps:

1. plug in given values for Variables
2. follow PEMDAS - Use "triangle" Math to SHOW ALL WORK

P = parenthesis
E = exponents
M = Multiply
D = Divide
A = Add
S = Subtract

Jan 2-9:41 AM

Evaluate the expressions for $c = 8$, $d = -5$ & $g = -1$

1. $3(c+d)$

$3(8+-5)$

$3(3)$

9

2. $2c - 4d$

$28 - 4(-5)$

$16 - 4(-5)$

$++20$ $16++20 \Rightarrow 16+20$

36

Jan 2-9:47 AM

$c = 8$, $d = -5$ & $g = -1$

3. $2d^2 + 5g$

$2(-5)^2 + 5(-1)$

$2(25) + 5(-1)$

$50 + -5$

45

4. $d(c+g) + 3^2$

$-5(8 + -1) + 3^2$

$-5(7) + 9$

$-35 + 9$

-26

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$c = 8$, $d = -5$ & $g = -1$

5. $\frac{c-d}{2} = \frac{8 + +5}{2} = \frac{13}{2} = 6.5$

$4 + 2.5 = 6.5$

6. $\frac{gc+d^2}{4} = \frac{-1(8) + (-5)^2}{4} = \frac{-8+25}{4} = \frac{17}{4} = 4.25$

$-2 + 6.25 = 4.25$

7. $\frac{c}{2}(gd)^2 = \frac{8}{2}(-1(-5))^2$

$4(5)^2$

$4(25)$

100

Jan 2-10:01 AM