

EVALUATE \Rightarrow ANSWER WITH A NUMBER

- STEPS
- ① REWRITE BY REPLACING VARIABLES WITH ()
 - ② SUBSTITUTE VALUES INTO ()
 - ③ TYPE INTO CALCULATOR EXACTLY AS IT LOOKS

EXAMPLE $-3x^2y - z^4$ WHEN $x = -2$, $y = 3$, $z = -4$

① $-3()^2() - ()^4$

② $-3(-2)^2(3) - (-4)^4$

③ TYPE + ANSWER -292

EXAMPLE $-x^3$ WHEN $x = -2$

① $-()^3$

② $-(-2)^3$

③ ANSWER 8

EXAMPLE $-y^4$ WHEN $y = -3$

① $-()^4$

② $-(-3)^4$

③ ANSWER -81

EXAMPLE EVALUATE $-y^2 + \frac{xy}{z}$

when $x = -3$
 $y = 4$ + $z = -2$

① $-()^2 + \frac{() ()}{()}$

② $-(4)^2 + \frac{(-3)(4)}{(-2)}$

③ ANSWER -10

QUESTIONS

① EVALUATE $-x^2 + ab$ when $x = -3, a = 5, b = -6$

② EVALUATE $\frac{-c}{b} + bc^2$ when $b = -4, c = 8$

③ $\frac{2}{3}x - y^4$ $x = 9, y = -1$

④ $\frac{1}{2}(x^2 - 3y) + x$ $x = 4, y = -5$

⑤ $-x^3 + 2x^2 - 10$ $x = -4$

⑥ $a^2 - b^3 + (ab)^3$ $a = 3, b = -2$