

Do Now

① Evaluate $f(x) = 7 - 3(x+2)$ when $x = -2$.

$$f(\quad) = 7 - 3(\quad + 2)$$

② Identify the order of operations (S, PEMDAS) in the following student work.

$$f(x) = 7x^2 - 5(x-2)$$

$$f(-1) = 7(-1)^2 - 5(-1-2)$$

$$f(-1) = 7(1) - 5(-1-2)$$

$$f(-1) = 7(1) - 5(-3)$$

$$f(-1) = 7 + 15$$

$$f(-1) = 22$$

S
P
E
M
D
A
S

7+5 (highlighted above)

- ③ Identify the error in the student work below. Correct the work.

$$f(x) = 100 - 50(1-x) \quad (1)$$

$$f(4) = 100 - 50(1-4) \quad (2)$$

$$f(4) = 50(1-4) \quad (3)$$

$$f(4) = 50(-3) \quad (4)$$

$$\boxed{f(4) = -150} \quad (5)$$

The student error happens from step ___ to step ___. This is incorrect because

Corrected work from step ___:

- ④ Make up a function notation problem and solve it.