EM video assignment

- Describe the skills

Chpt: 1, 2, 3, 4, 8, 10

at least 1 concept from each chapter

- When she asks how to turn company around, she waited for a sec to see if someone would respond, she then expanded the question

- ~~very nice and introduced herself to Nick~~
- ~~The company welcomed her~~

- she introduced herself to group
- she is encouraging
- she has a purpose

- She wants to brainstorm and come up with many ideas

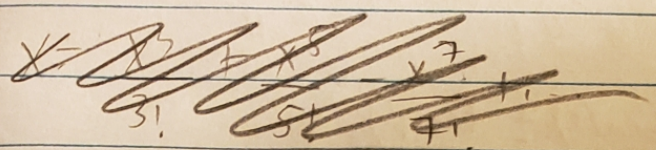
- "How are we gonna turn this company around?"
  open-ended question

- She hands out kits full of women's products for the group to brainstorm ideas better.

- She wants everyone to come up with something
  → She wants everyone to participate

- She ends the meeting by telling her plans for the next meeting tomorrow.

HW12

1) 

$f(x) = \sin(x+x^2)$ $f'(x) = \cos(x+x^2)(1+2x)$

$f''(x) = -\sin(x+x^2)(1+2x)^2 + 2\cos(x+x^2)$

$x=0$

$f(0) = \sin(0+0^2) = 0$ $f'(0) = \cos(0+0^2)(1+2(0)) = 1$

$f''(0) = -\sin(0+0^2)(1+2(0))^2 + 2\cos(0+0^2) = 2$

$\frac{0}{0!} + \frac{1x}{1!} + \frac{2x^2}{2!} + \dots$

$\sin(x+x^2) = x + \frac{2}{2!}x^2 + \dots$

2) $f(x) = \sin(x+x^2)$ $f'(x) = \cos(x+x^2)(1+2x)$

$f''(x) = -\sin(x+x^2)(1+2x)^2 + 2\cos(x+x^2)$

$x=0$

$f(0) = 0$ $f'(0) = 1$ $f''(0) = 2$ $f'''(0) = 3$ $f^4(0) = 4$

$x + \frac{2x^2}{2!} + \frac{3x^3}{3!} + \frac{4x^4}{4!} + \frac{5x^5}{5!} + \dots$

3) $x + x^2 + x^3 + x^4 + \dots$