## RATLIFF8102

b.socrative.com/login/student/ or Socrative app

Let $f(x)=x^{3}-2 x$ and $g(x)=x+2$. Then $f(g(x))=(x+2)^{3}-2(x+2)$
(a) True, and I can explain why
(b) True, but I am unsure why
(c) False, and I can explain why
(d) False, but I am unsure why
(e) Ugh. . .

## RATLIFF8102

Let $f(x)=x^{3}-2 x$ and $g(x)=x+2$
Then the graph of $y=f(g(x))$ looks like the graph of $y=f(x)$ but shifted
(a) 2 units up
(b) 2 units down
(c) 2 units to the right
(d) 2 units to the left
(e) Ugh. . .

## RATLIFF8102

b.socrative.com/login/student/ or Socrative app

Let $f(x)=x^{3}-2 x$ and $g(x)=x+2$
Then the graph of $y=g(f(x))$ looks like the graph of $y=f(x)$ but shifted
(a) 2 units up
(b) 2 units down
(c) 2 units to the right
(d) 2 units to the left
(e) Ugh. . .

## RATLIFF8102

Let $f(x)=x^{3}-2 x$ and $h(x)=2 x$
Then the graph of $y=h(f(x))$ looks like the graph of $y=f(x)$ but
(a) stretched vertically by a factor of 2
(b) compressed vertically by a factor of 2
(c) stretch horizontally by a factor of 2
(d) compressed horizontally by a factor of 2
(e) Ugh. . .

## RATLIFF8102

Let $f(x)=x^{3}-2 x$ and $h(x)=2 x$
Then the graph of $y=f(h(x))$ looks like the graph of $y=f(x)$ but
(a) stretched vertically by a factor of 2
(b) compressed vertically by a factor of 2
(c) stretch horizontally by a factor of 2
(d) compressed horizontally by a factor of 2
(e) Ugh. . .

## For any function $f(x)$,

- $y=f(x)+a$ looks like $y=f(x) \ldots$
- $y=f(x+a)$ looks like $y=f(x) \ldots$
- $y=a f(x)$ looks like $y=f(x) \ldots$
- $y=f(a x)$ looks like $y=f(x) \ldots$


## WeBWorK

- Go to course homepage and follow link to log in to WeBWorK

Be sure to use upper case W00xxx

- If not on the campus network, will need to install Wheaton's vpn client Link to instructions on course webpage
- Let me know if you have any problems!


## Reminders

- If haven't done so yet, fill out Background Questionnaire (link at onCourse)
- PCA due tonight
- See you tomorrow morning at 10:30!

