

Name: _____

Date: _____

Beyoncé was given the equation to the right and was told to solve for x.

$$\frac{x}{16} - 9 = -8$$

(a) **Explain her thinking** and determine if her solution is correct or not.

(b) Fix her solution so the steps are more clear.

Provide evidence to defend your answers in the lines below.

Beyoncé's solution:

$$\begin{aligned} \frac{x}{16} - 9 &= -8 \\ \frac{x - 144}{16} &= \frac{-128}{16} \\ x - 144 &= -128 \\ \boxed{x = 16} \end{aligned}$$

(b) Your revised solution:

$$\frac{x}{16} - 9 = -8$$

(a) Looking at Beyoncé's solution, I think she was thinking _____

Beyoncé's solution is CORRECT / INCORRECT (circle one) because _____

(b) I fixed/clarified her solution by _____
