


Homework Assignment Due: May 25th, 2018

5-7. Jackie and Alexa are working on homework together when Jackie says, “I got $x = 5$ as the solution, but it looks like you got something different. Which solution is right?”

“I think you made a mistake,” says Alexa. Has Jackie made a mistake? Help Jackie figure out whether she has made a mistake and, if she has, explain her mistake and show her how to solve the equation correctly. Jackie’s work is shown above right. [Homework Help](#) 

$$(x + 4)^2 - 2x - 5 = (x - 1)^2$$


$$x^2 + 16 - 2x - 5 = x^2 + 1$$

$$16 - 2x - 5 = 1$$

$$11 - 2x = 1$$

$$-2x = -10$$

$$x = 5$$

5-33. Solve each equation below using the Zero Product Property. [Homework Help](#) 

a. $(x - 2)(x + 8) = 0$

b. $(3x - 9)(x - 1) = 0$

c. $(x + 10)(2x - 5) = 0$

d. $(x - 7)^2 = 0$