

Completing the Square**Perfect Squares**

Do: Expand and simplify _____

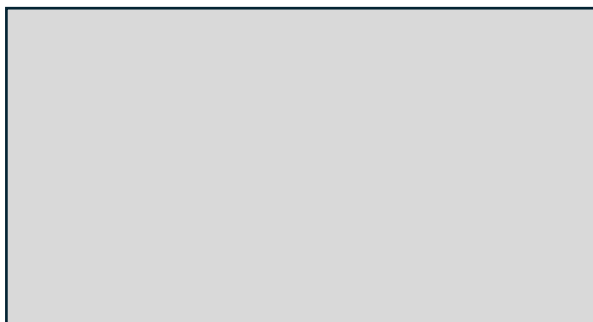
Do: Expand and simplify _____

Do: Factor _____

ex. Factor _____

ex. Factor _____

Recall Quadratic Function Formats:



Completing the Square

the process of _____ a _____ from one _____ to the other

Steps when $LC = 1$:

Step 1:

Step 2:

Step 3:

Step 4:

Step 5:

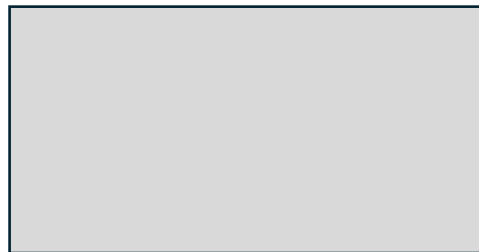
ex. Write _____ in standard form.

ex. Write _____ in standard form.

Sometimes, _____ is not an _____:

ex. Write _____ in standard form.

Follow up question: What is the function's _____?



When LC is not equal to 1:

_____ all terms by _____, write as a _____, then multiply back by _____.

ex. Find the _____ of _____ by _____.

ex. Find the _____ of _____ by _____.