| Warm Up |
|---|
| Factor these perfect square trinomials! |
| $x^2 + 4x + 4$ |
| $x^2 + 12x + 36$ |
| |
| $x^2 - 14x + 49$ |
| |
| |
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| | Solving Quadratics by | |
|-----|-----------------------|--|
| | Completing the Square | |
| | 2 | |
| a=1 | $x^2 + 4x - 96 = 0$ | |
| | | |
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| $x^2 + 12x + 4 = 0$ |
|---------------------|
| |
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| X | 2 - 2x = 2 |
|-------|--------------|
| | |
| x^2 | -6x - 11 = 0 |
| | |
| | |
| | |
| | |

| $x^2 + 8x + 28 = 0$ |
|---------------------|
| |
| $x^2 + 6x + 59 = 0$ |
| |
| |
| |
| |
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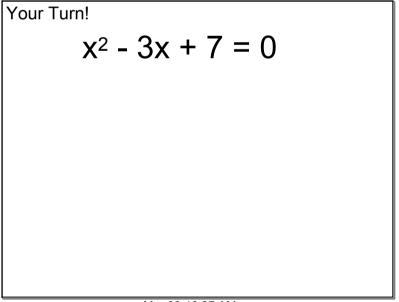
Part II Solving Quadratics by
Completing the Square

What if "b" is not even?

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| $x^2 - 7x + 5 = 0$ | |
|---------------------|--|
| | |
| | |
| $x^2 + 5x + 14 = 0$ | |
| | |
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| Solving by Completing the Square - Part III |
|---|
| a > 1 |
| $3x^2 + 4x - 15 = 0$ |
| |
| |
| $7x^2 - 6x + 2 = 0$ |
| |
| |
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JK...not even going there!

But you can for extra credit!

Solve both problems on the last slide, show all work, and turn in to me by Friday and I will give you 2 points per correct problem on the test

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