Algebra 1
Our Goal: To learn how to factor $a^{2}+b x+c$

Warm Up: factoring handout
Today's Homework

- 7.6 Exercises, p.395: 4-32 (evens)
- iready is due Friday, the snow day does not make it a "short" week

Previous Homework
7.5 Exercises, p.389: 4-38 (evens)

$$
x^{2}+x+5
$$



"Draw a line to the correct answer."


## $\left(x^{2}+y^{2}-1\right)^{3} \leq x^{2} y^{3}$

My grandpa left this surprise in my Grandma's
camera roll on her new phone (ts)


Write an equation in slope-intercept form of the line that passes through the given points.

1. $(8,1),(3,11)$
2. (7, -2), (4, -8)


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Factor the polynomial.

1. $8 x^{2}-56 x+48$
2. $14 x^{2}+31 x+15$
3. $2 x^{2}-7 x+5$
4. $3 x^{2}-14 x+8$
5. $4 x^{2}-19 x-5$
6. $6 x^{2}+x-12$
7. $-2 y^{2}-5 y-3$
8. $-5 m^{2}+6 m-1$
9. $-3 x^{2}-x+2$


The length of a rectangular game reserve is 1 mile longer than twice the width. The area of the reserve is 55 square miles. What is the width of the reserve?

- Exit Ticket: Factor $2 x^{2}-7 x+3$.

