

# **ALGEBRA REVIEW**

## **Simplifying Expressions/Solving Equations:**

Combine Like Terms:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_2269837121&feature=iv&src\\_vid=LgUW9t9YZG8&v=apjQvrU51jM](https://www.youtube.com/watch?annotation_id=annotation_2269837121&feature=iv&src_vid=LgUW9t9YZG8&v=apjQvrU51jM)

Distributive property: <https://www.youtube.com/watch?v=VbtJtHpFa8s>

Solving Equations Multi-Step: <https://www.youtube.com/watch?v=KBpNLjiv8pk>

Solving Equations Variables On Both Sides:

<https://www.youtube.com/watch?v=wShnYemlr28>

Solving & Graphing Inequalities:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_3925028521&feature=iv&src\\_vid=1wPJfzStBqE&v=JWpiMnxeymc](https://www.youtube.com/watch?annotation_id=annotation_3925028521&feature=iv&src_vid=1wPJfzStBqE&v=JWpiMnxeymc)

## **Linear Forms:**

Standard:

Writing: <https://www.youtube.com/watch?v=fLRkUmE07Jo>

Converting to Standard form: <https://www.youtube.com/watch?v=wysytYq-gLY>

Slope-Intercept Form: <https://www.youtube.com/watch?v=3t7E8PTfey0>

Point-Slope Form:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_3324313275&feature=iv&src\\_vid=aQhb84bZDzw&v=fQZ6gtWo1sU](https://www.youtube.com/watch?annotation_id=annotation_3324313275&feature=iv&src_vid=aQhb84bZDzw&v=fQZ6gtWo1sU)

## **Slope:**

From graph (rise/run):

[https://www.youtube.com/watch?annotation\\_id=annotation\\_3098904863&feature=iv&src\\_vid=9bm1\\_IJ00lQ&v=TxBikFiKxgY](https://www.youtube.com/watch?annotation_id=annotation_3098904863&feature=iv&src_vid=9bm1_IJ00lQ&v=TxBikFiKxgY)

From coordinates using the formula:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_1344418241&feature=iv&src\\_vid=OjEkoXBZf7w&v=B6lP\\_RzXSZs](https://www.youtube.com/watch?annotation_id=annotation_1344418241&feature=iv&src_vid=OjEkoXBZf7w&v=B6lP_RzXSZs)

## **Graphing:**

Horizontal/Vertical Lines: <https://www.youtube.com/watch?v=7W8-YcsF0ts>

Intercepts: <https://www.youtube.com/watch?v=8FLRHpoeAKA>

## **Real-World Application:**

Direct Variation:

[https://www.youtube.com/watch?annotation\\_id=annotation\\_1484901441&feature=iv&src\\_vid=o31s1daJaWw&v=ZwMOYfP7rDc](https://www.youtube.com/watch?annotation_id=annotation_1484901441&feature=iv&src_vid=o31s1daJaWw&v=ZwMOYfP7rDc)

Linear Word Problems: <https://www.youtube.com/watch?v=tHq1vg2B6iA>