

# ASSIGNMENT

Today, you will review the process of solving algebraic equations.

1. Watch the video: Review: Goals when solving equations (<https://youtu.be/6oBoFtLMfGE>)
2. Each section (A-F) contains 3 exercises. Choose 3 sections, and solve all of the problems in those 3 sections. (You should complete 9 exercises.)
3. Watch the video in each section if you need help. (If the links in this document do not work, open the video link on Schoology).
4. If you finish early, get started on the Desmos activity on the last slide.

# SECTION A

1. Solve for x: (video) (<https://youtu.be/jJSLaTCDGDA>)

$$3 + 5x = 18$$

2. Solve for y:

$$5y - 4 = 26$$

3. Solve for a:

$$3 - 6a = 21$$

# **SECTION B**

4. Solve for a: (video) (<https://youtu.be/G5HjlWJWWH4>)

$$7 - 3a + 2 = 3a - 15$$

5. Solve for y:

$$2 + 12 - 2y = y + 5$$



6. Solve for t:

$$1 - 8t - 4 = 2t - 33$$

# SECTION C

7. Solve for  $w$ : (video) (<https://youtu.be/rIPdn6U4Ua8>)

$$2(w - 1) = -1 + \frac{1}{2}w$$

8. Solve for y:

$$3(y + 15) = 10 - 2y$$

9. Solve for x:

$$-\frac{1}{2}(x + 4) = -x - 3$$

# SECTION D

10. Solve for y: (video) (<https://youtu.be/BwM9IW835Pw>)

$$4y + 2x + 1 = x - 7$$

11. Solve for y:

$$5y + 2x - 2 = 4x + 3$$



12. Solve for y:

$$-2y + 4x + 3 = y - 6$$

# SECTION E

13. Solve for  $y$ : (video) (<https://youtu.be/U-bjjqZTMlg>)

$$-3x - y = 12$$

14. Solve for y:

$$-3y - x = 6$$

15. Solve for y:

$$-x - y = 12$$

# **SECTION F**

16. Solve for y: (video) ()

$$\frac{1}{2}(x - y) = y - 5$$

17. Solve for y:

$$\frac{1}{3}(x + 4) = y - 2x$$



18. Solve for  $y$ :

$$-\frac{1}{4}(x - y) = x - y$$

If you finished those 9 problems in less than 15 minutes, get started on Desmos...

Hey, students!

Go to [student.desmos.com](https://student.desmos.com)  
and type in:

**6UC A76**

You can also share this link with your students:

<https://student.desmos.com/?prepopulateCode=6uca76>