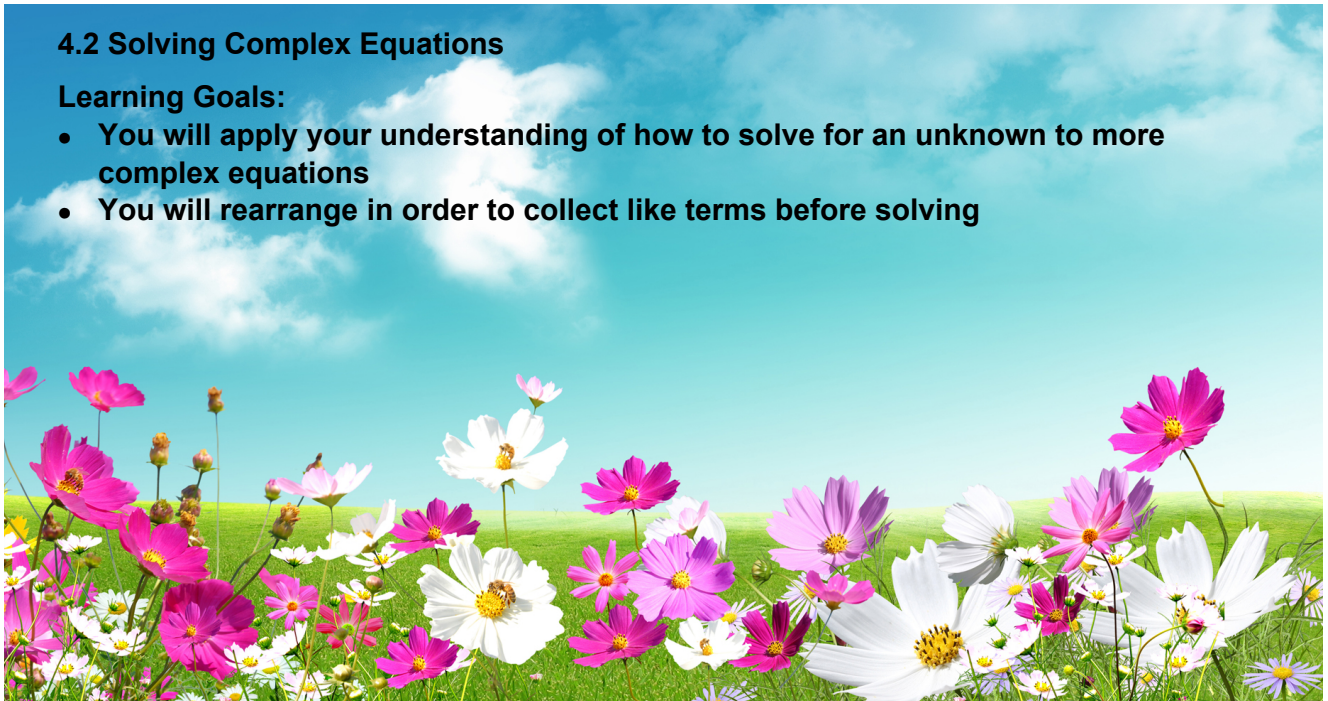


4.2 Solving Complex Equations

Learning Goals:

- You will apply your understanding of how to solve for an unknown to more complex equations
- You will rearrange in order to collect like terms before solving



Solving Multi-Step Equations

Ex. Solve

a) $3x + 2 = 2x - 4$

b) $7 - 2k = 8 - 5k$

c) $5 - 3m = -2 - 2m$

d) $5(y - 3) - (y - 2) = 19$

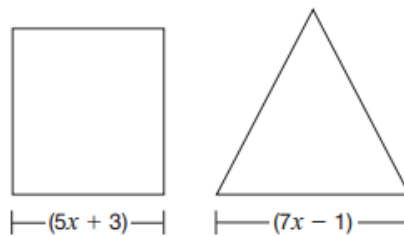
e) $2(x - 3) = -3(x + 5) - 6$

What is the value of x in the equation

$$-4(2x - 1) = 36?$$

- a -4
- b $-\frac{35}{8}$
- c $-\frac{37}{8}$
- d -5

A square and an equilateral triangle are pictured below.



If the square and the triangle have the same perimeter, what is the value of x ?

- a 2
- b 4
- c 9
- d 15

Practice questions

Textbook page 200-203 # 2,3,4,5,9,10