3.2: Adding and Subtracting Linear Expressions

Give two examples of *like terms.* Give two examples of *unlike terms*. Explain what the difference is between like terms and unlike terms.

Definition

Linear Expression: an algebraic expression in which the exponent of the variable is 1.

Simplify the expression.

 1.  2. 

 3.  4. 

 5.  6.

Try:

1. (x + 3) + (2x – 1)
2. (-8z + 4) + (8z – 7)
3. (4 – n) + 2(-5n + 3)
4. $\frac{1}{2}\left(w-6\right)+\frac{1}{4}(w+12)$
5. $\left(5x+6\right) $− (-x + 6)
6. (7y + 5) -2(4y – 3)
7. -2(c + 2.5) – 5(1.2c + 4)
8. $-\frac{1}{2}\left(7z+4\right)+\frac{1}{5}(5z-15)$

*Read about* ***factoring an expression*** *on page 92 in your text, and try page 93 #1-15*