4-3 Solving Equations Using Addition and/or Subtraction

Two major ideas:

- 1. Get the variable by itself by "undoing" any operations.
- 2. Keep the equation balanced.

Ex. 1 Solve:

$$x-4=-3$$
 $x=1$
 $x=1$

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Ex. 3

Solve:

Ex. 2 Solve:

$$32 = y + 12$$

$$-12$$

$$20 - y$$

$$x + 6.9 \neq 4.2$$

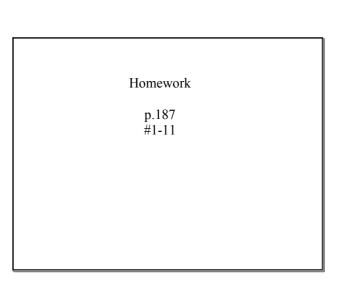
$$-6.9 + 4.2$$

$$x = -2.7$$

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Ex. 4 Driskill Mountain, with a height of 535 ft., is the highest point in Louisiana. It is 8214 ft. lower than Guadalupe Peak, which is the highest point in Texas.

Write and solve a subtraction equation to find the height of Guadalupe Peak.



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