

Pre-Algebra
HW 7: Solving Equations

Solve:

1. $-2(x + 4) = x - 1$

2. $\frac{1}{3}(6x - 15) = 10$

3. $-(2x - 4) = 4x + 8$

4. $-3x + 6 < 24$

Translate into an equation and solve:

1. Ann brought three grapefruits to the party. Bobby bought three more than twice the number Ann brought. How many grapefruits were there all together?
2. Room temperature is 70 degrees Fahrenheit. Water must be kept at least 3 degrees less than half of room temperature in order to stay frozen. Solve for the freezing temperature of ice.
3. A garden has a perimeter of 64m. If the width of the garden is one half of the length, solve for the length and width of the garden.