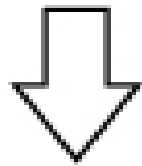
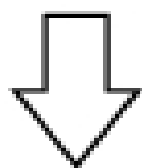


$$2x - (24 - x) = -6$$



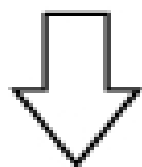
Distributive property

$$2x - 24 + x = -6$$



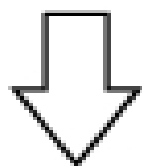
Combining like terms

$$3x - 24 = -6$$



Adding 24 to each side

$$3x = 18$$



Dividing both sides by 3

$$x = 6$$