Example #2a p. 3 Ch. 9

Let
$$\mathbf{u} = \langle 6, -3 \rangle$$
 and $\mathbf{v} = \langle -14, 8 \rangle$. Find b) $^{-1}/_{2}\mathbf{v}$

Multiplying a vector by a scalar is multiplying the components by the scalar

Multiply the horizontal component by -½

$$-\frac{1}{2} v_a = -\frac{1}{2} \bullet -14 = 7$$

Multiply the vertical component by -½

$$-\frac{1}{2} V_{b} = -\frac{1}{2} \bullet 8 = -4$$

Thus, -½ v is

$$-\frac{1}{2}$$
 $V = <7, -4>$