

$$a(x+y) = ax + ay$$

$$(x+y)(x+y) \stackrel{?}{=} x^2 + y^2$$

$$(2+3)(2+3) = 2^2 + 3^2$$

$$5 \times 5 = 4 + 9$$

$$(x+y) \underline{\underline{(x+y)}}$$

$(x+y)(x+y)$  amount of time

$$x(x+y) + y(x+y)$$

$$2(a+3) + 3(a+3)$$

$$4+6 + 6+9$$

$$10+15$$

$$25$$

$$4(4+5) + 5(4+5)$$

$$16+20 + 20+25$$

$$36 + 45$$

$$81$$