

31 The ordered pair that satisfies both equations is $(4, -3)$.

$$4^2 + (-3)^2 = 25\sqrt{\quad} \quad 0^2 + 5^2 = 25\sqrt{\quad} \quad 4^2 + 3^2 = 25\sqrt{\quad}$$

$$2(4) + 3(-3) = -1\sqrt{\quad} \quad 2(0) + 3(5) = 15 \quad 2(4) + 3(3) = 17$$