

P 12

$$x = \boxed{11}$$

$$y = \boxed{26}$$

Tv ads

Radio ads

$$Q1 \quad (x, y) = \begin{pmatrix} 9 \\ 1 \end{pmatrix} (9, 1)$$

$$Q2 \quad (x, y) = \begin{pmatrix} 5 \\ 4 \end{pmatrix} (5, 4)$$

$$Q3 \quad (x, y) = \begin{pmatrix} 5 \\ 3 \end{pmatrix} (5, 3)$$

$$Q4 \quad (x, y) = \begin{pmatrix} 10 \\ 4 \end{pmatrix} (10, 4)$$

$$Q5 \quad \begin{matrix} x = \\ y = \end{matrix} \begin{pmatrix} 32 \\ 28 \end{pmatrix} \begin{matrix} \$ 3000 \text{ investors} \\ \$ 6000 \text{ investors} \end{matrix}$$

$$Q6 \quad \begin{matrix} x \\ y \end{matrix} \begin{pmatrix} 7 \\ 5 \end{pmatrix}$$

$$Q7 \quad \begin{matrix} x = \\ y = \end{matrix} \begin{matrix} 1600 \text{ sodas} \\ 1400 \text{ hot dogs} \end{matrix}$$

$$Q8 \quad \begin{pmatrix} 4 \\ 3 \end{pmatrix} \begin{pmatrix} -1 \\ 9 \end{pmatrix} \begin{pmatrix} -1 \\ 9 \end{pmatrix}$$

$$Q9 \quad \begin{pmatrix} 5 \\ 0 \end{pmatrix} \begin{pmatrix} -4 \\ 1 \end{pmatrix} \begin{pmatrix} -42 \\ 5 \end{pmatrix}$$

$$Q10 \quad (x, y) = \begin{pmatrix} 8 \\ -3 \end{pmatrix} (8, -3)$$

$$Q11 \quad (x, y) = \begin{pmatrix} 9 \\ 5 \end{pmatrix} (9, 5)$$