

1.12  
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$$\begin{cases} 20 = x_1^2 + x_2^2 = (x_1 + x_2)^2 - 2x_1x_2 \\ \frac{5}{16} = \frac{1}{x_1^2} + \frac{1}{x_2^2} = \frac{x_1^2 + x_2^2}{(x_1x_2)^2} = \frac{(x_1 + x_2)^2 - 2x_1x_2}{(x_1x_2)^2} \end{cases}$$

$x_1 + x_2 = B, \quad x_1x_2 = A \quad / \text{no}$

$$20 = B^2 - 2A$$

$$\frac{5}{16} = \frac{B^2 - 2A}{A^2} = \frac{20}{A^2} \rightarrow A^2 = 64$$

$$A = \pm 8$$

$B = \pm 6$  (q) (p) (q) (p)  $A = 8$  (p) (q)

$B = \pm 2$  " "  $A = -8$

$x_2 = 1, x_1 = 8$  (p) (q)

$x_1 = 8, x_2 = 1$  (q) (p)

$$\begin{cases} x_1x_2 = 8 \\ x_1 + x_2 = 6 \end{cases}$$

$$\begin{pmatrix} 4, 2 \\ 2, 4 \end{pmatrix}$$

$$\begin{cases} x_1x_2 = -8 \\ x_1 + x_2 = 2 \end{cases}$$

$$\begin{pmatrix} 4, -2 \\ -2, 4 \end{pmatrix}$$

$$\begin{cases} x_1x_2 = 8 \\ x_1 + x_2 = -6 \end{cases}$$

$$\begin{pmatrix} -2, -4 \\ -4, -2 \end{pmatrix}$$

$$\begin{cases} x_1x_2 = -8 \\ x_1 + x_2 = -2 \end{cases}$$

$$\begin{pmatrix} -4, 2 \\ 2, -4 \end{pmatrix}$$