Problem 5.14)

(b)
$$(0.42\sqrt{6} + \sqrt{6} = 37) \qquad \sqrt{a} = 10.42 (9)$$

$$3\sqrt{6} = 27 \qquad \sqrt{a} = 29$$

$$\sqrt{6} = 9$$

$$6 = 81$$

Problem 5.15)

$$\frac{3}{x} - \frac{2}{y} = -\frac{7}{2}$$

$$\frac{6}{x} + \frac{4}{y} = 9$$

$$\frac{6}{x} + \frac{4}{y} = \frac{18}{2}$$

$$\frac{12}{x} = 2$$

$$\frac{1}{2} = 8$$

$$\frac{1}{2} = 8$$

$$(x,y) = (6, \frac{1}{2})$$

Exercises

$$\frac{6}{x} + \frac{7}{y} = 4$$

$$\frac{6}{x} + \frac{7}{y} = 4$$

$$\frac{2}{x} - \frac{1}{y} = 16$$

$$\frac{22}{y} = -44$$

$$\frac{2}{x} - \frac{5}{1-1/2} = 16$$

$$\frac{22}{44} = y$$

$$\frac{2}{x} + 10 = 16$$

$$\frac{2}{x} = 6$$

$$\frac{2}{x} = 6$$

$$\frac{2}{x} = 6$$

$$\frac{2}{x} = 8$$

5.5.2)

$$a^{2} + b^{2} = 65$$

$$+ a^{2} - b^{2} = 33$$

$$7a^{2} = 98$$

$$a^{2} = 49$$

$$a^{2} = 49$$

$$a = 7$$

$$b^{2} = 65 - 49$$

$$b^{2} = 16$$

$$b = 4$$

$$3.5.3$$
)
 $3 = 21$
 $3 = 2$
 $3 = 4$
 $3 = 4$
 $3 = 4$
 $3 = 4$

$$-y = 28 - 10x$$

 $y = 30 - 25$
 $y = 2$

$$x = \frac{273}{91} = \frac{39}{13} = 3$$

$$(x,y) = (3,2)$$

$$3\sqrt{\Gamma} = 3 \qquad \Gamma = 27$$

$$\sqrt{S} = 2 \qquad S = 4$$

$$(r,s) = (27,4)$$