

Solve each system by elimination.

6) $-10x = -16 + 8y$

$\left(\frac{7}{4}\right) \left(\frac{8}{1}\right) \left(\frac{7}{8}y\right)$

$-10x = -16 + 8y$
 $\frac{14}{8} = \frac{-8x}{8} + \frac{7y}{8}$

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Solve for y in ①

$-10x = -16 + 8y$

$-10x = -16 + 8(2)$

$-10x = -16 + 16$

$-10x = 0$

$-10 \quad -10$

$x = 0$

$10x + 8y = 16 \quad \times 4$
 $8x - 7y = -14 \quad \times -5$

$40x + 32y = 64$

$-40x + 35y = 70$

$67y = 134$
 $\frac{67y}{67} = \frac{134}{67}$

$y = 2$