

LATEX PRACTICE

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Math AoPS

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

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

$$x - 3y = 2 ; x = 3y + 2$$

$$2x - 9y = -8$$

$$2(3y + 2) - 9y = -8$$

$$6y + 4 - 9y = -8$$

$$-3y = -12 ; y = 4$$

$$x = 3(4) + 2 = 12 + 2 = 14$$

$$(14, 4)$$