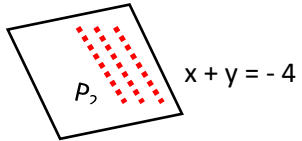
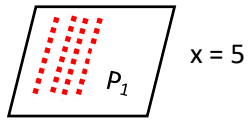


Planes and Point B



Plane III  $\Rightarrow x + y - 2z = -16$

Given 3 planes, find the point B

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$$x = 5$$

$$x + y = -4 \qquad z = ?$$

$$x + y - 2z = -16 \qquad y = ?$$

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$$-4 - 2z = -16$$

$$2z + 4 = 16$$

$$2z = 12 \Rightarrow z = 6$$

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$$x = 5$$

$$x + y = -4$$

$$5 + y = -4$$

$$y = -9$$

$$B(5, -9, 6)$$