Finding Unknown Variable

1) If the point (−1, 0) lies on the equation of a line $ky = -1 - x$, then find the value of k.

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2) If the point (−2, −2) lies on the equation of a line $4x + 5y = k$, then find the value of k.

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3) If the point (3, 4) lies on the equation of a line $-k - 3y = -15$, then find the value of k.

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4) If the point (0, −6) lies on the equation of a line $kx = y + 6$, then find the value of k.

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5) If the point (−3, −7) lies on the equation of a line $-6x = 11k - y$, then find the value of k.

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6) If the point (1, 2) lies on the equation of a line $x + ky = 9$, then find the value of k.

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Finding Unknown Variable

Answer key

1) If the point (−1, 0) lies on the equation of a line ky = −1 − x, then find the value of k.

   k = 0

2) If the point (−2, −2) lies on the equation of a line 4x + 5y = k, then find the value of k.

   k = −18

3) If the point (3, 4) lies on the equation of a line −k − 3y = −15, then find the value of k.

   k = −1

4) If the point (0, −6) lies on the equation of a line kx = y + 6, then find the value of k.

   k = 3

5) If the point (−3, −7) lies on the equation of a line −6x = 11k − y, then find the value of k.

   k = 1

6) If the point (1, 2) lies on the equation of a line x + ky = 9, then find the value of k.

   k = 4