Given: $-x^2 - 5x - 7 = -1$ and $5x^2 - 7x - 12 = 54$

$A = -4x - 2$

$B = -5x - 7$

What is the value of A?

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Given: $-8x^2 + 5x + 12 = -306$ and $4x^2 + 5x + 8 = 122$

$A = -6x + 23$

$B = 6x + 3$

What is the value of B?

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Given: $\dfrac{-3x+6}{-2x+9} = \dfrac{BC}{AB}$ and $AB - 3x^2 = 40$

$AB = -3x + 46$

$BC = 4x + 56$

What is the value of x?

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Given: $\dfrac{3x+1}{3x+0} = \dfrac{BC}{AB}$ and $-2x^2 - AB = -248$

$AB = -2x + 136$

$BC = -4x + 157$

What is the value of x?

Given: $\dfrac{3x+7}{BC} = \dfrac{-4x+43}{AB}$ and $AB + 2x^2 = 96$

$AB = 2x + 36$

$BC = 4x + 24$

What is the value of BC?

Given: $\dfrac{-3x+2}{BC} = \dfrac{3x-41}{AB}$ and $3x^2 - AB = 247$

$AB = -3x - 79$

$BC = 5x - 130$

What is the value of BC?

Given: $\dfrac{AB}{BC} = \dfrac{2x+5}{2x+6}$ and $AB - 3x^2 = -225$

$AB = -3x - 57$

$BC = -3x - 54$

What is the value of AB?

Given: $\dfrac{AB}{BC} = \dfrac{-3x+5}{-2x+2}$ and $3x^2 - AB = 76$

$AB = -4x - 12$

$BC = -3x - 12$

What is the value of x?

Given: $\dfrac{AB}{3x+2} = \dfrac{BC}{2x-1}$ and $-3x^2 - AB = -18$

$AB = 3x - 18$

$BC = -2x - 35$

What is the value of AB?

Given: $A + B = 21$ and $B + C = -140$

$A = 2x^2 - 5x - 19$

$B = -2x^2 - 3x$

$C = -4x^2 + 3x + 10$

What is the value of x?

Given: $\dfrac{AB}{3x-13} = \dfrac{BC}{2x-7}$ and $AB + 3x^2 = 163$

$AB = 5x - 19$

$BC = -5x + 49$

What is the value of AB?

Given: $A - B = 38$ and $B + C = 26$

$A = 3x^2 - 2x + 14$

$B = 3x^2 + 4x$

$C = -3x^2 - 5x + 22$

What is the value of C?

Given: $A + B = 49$ and $B - C = -28$

$A = 2x^2 - 2x + 19$

$B = 3x^2 - 3x$

$C = 3x^2 - 2x + 25$

What is the value of C?

Given: $A - B = 10$ and $B - C = -57$

$A = -4x^2 + 5x + 28$

$B = -3x^2 + 2x$

$C = -2x^2 + 3x + 15$

What is the value of A?

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