$A + B = 180$

$A = -3x + 126$

$B = 5x + 48$

What is the value of B?

$180 - A = B$

$A = -1x + 77$

$B = 5x + 43$

What is the value of B?

$180 - B = A$

$A = -3x + 79$

$B = -4x + 136$

What is the value of x?

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$A + B = 90$

$A = -3x + 36$

$B = -5x + 78$

What is the value of B?

$90 - A = B$

$A = 3x + 8$

$B = 6x + 10$

What is the value of x?

$90 - B = A$

$A = 2x + 31$

$B = 5x + 38$

What is the value of x?

$A = B$

$A = 3x + 8$

$B = -5x + 168$

What is the value of A?

$A + B + C = 180$

$A = 3x + 15$

$B = -4x + 130$

$C = 40$

What is the value of A?

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Slide 1

$$\frac{1}{2} = \frac{BC}{AB}$$

$AB = -3x + 23$

$BC = 5x - 21$

What is the value of *AB*?

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Slide 2

$$\frac{AB}{BC} = \frac{2}{3}$$

$AB = -3x + 33$

$BC = 5x - 36$

What is the value of *x*?

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Slide 3

$$\frac{AB}{2} = \frac{BC}{3}$$

$AB = 2x - 2$

$BC = 6x - 12$

What is the value of *BC*?

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Slide 4

$$\frac{7}{BC} = \frac{6}{AB}$$

$AB = -2x + 32$

$BC = -6x + 63$

What is the value of *x*?

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$A + B = 87$

$A = 1x + 24$

$B = 4x + 33$

What is the value of A?

$A + 59 = B$

$A = 2x + 59$

$B = -4x + 172$

What is the value of x?

$B - 52 = A$

$A = -1x + 48$

$B = 6x + 79$

What is the value of B?

$B + C = 180 - A$

$A = 3x + 33$

$B = 4x + 83$

$C = 43$

What is the value of x?

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Solve for B when $x = 1$ and $y = -4$:

$$4x + 2y - 3x - 3y + 35 = B$$

Solve for B when $x = -7$ and $y = -1$:

$$-6y - 5x + 8y = B - 13 - 5x$$

Solve for A when $x = -1$ and $y = -5$:

$$4x + 5y + 7x - 8y = A - 25$$

Solve for B when $x = 7$ and $y = 5$:

$$3x + 8y - 6x = B - 37 + 2y$$

Solve for C when $x = 7$ and $y = 9$:

$6y + 13 - 9x + 8y = C - 8x$

Solve for C when $x = -7$ and $y = 4$:

$-3x - 4y + 38 + 4x = C - 5y$