Equations with integers

Find the value of x in each equation.

Name: _____

Score: _____ / 10

1. $-7x - 18 = 45$ x = _____
2. $-3x - 15 = -24$ x = _____
3. $9x - 3 = -12$ x = _____
4. $-7x - 11 = 38$ x = _____
5. $-6x + 10 = 64$ x = _____
6. $-8x + 14 = 38$ x = _____
7. $-2x - 5 = -15$ x = _____
8. $-6x + 14 = 62$ x = _____
9. $-9x - 13 = 5$ x = _____
10. $-9x - 3 = 42$ x = _____

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Answer key: Equations with integers

1. $-7x - 18 = 45$, so $x = -9$
2. $-3x - 15 = -24$, so $x = 3$
3. $9x - 3 = -12$, so $x = -1$
4. $-7x - 11 = 38$, so $x = -7$
5. $-6x + 10 = 64$, so $x = -9$
6. $-8x + 14 = 38$, so $x = -3$
7. $-2x - 5 = -15$, so $x = 5$
8. $-6x + 14 = 62$, so $x = -8$
9. $-9x - 13 = 5$, so $x = -2$
10. $-9x - 3 = 42$, so $x = -5$

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