Equations with integers

Find the value of x in each equation.

Name: _____

Score: _____ / 10

1. $2x - 17 = -13$ x = _____
2. $3x + 7 = -2$ x = _____
3. $9x - 5 = 49$ x = _____
4. $4x + 11 = 47$ x = _____
5. $8x + 20 = 76$ x = _____
6. $-5x + 1 = -39$ x = _____
7. $8x + 9 = -7$ x = _____
8. $9x + 18 = 36$ x = _____
9. $-6x + 20 = -28$ x = _____
10. $2x + 17 = 5$ x = _____

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Answer key: Equations with integers

1. $2x - 17 = -13$, so $x = 2$

2. $3x + 7 = -2$, so $x = -3$

3. $9x - 5 = 49$, so $x = 6$

4. $4x + 11 = 47$, so $x = 9$

5. $8x + 20 = 76$, so $x = 7$

6. $-5x + 1 = -39$, so $x = 8$

7. $8x + 9 = -7$, so $x = -2$

8. $9x + 18 = 36$, so $x = 2$

9. $-6x + 20 = -28$, so $x = 8$

10. $2x + 17 = 5$, so $x = -6$