Equations with integers

Find the value of x in each equation.

Name: _____

Score: _____ / 10

1. $4x - 10 = -22$ x = _____

2. $3x + 2 = -7$ x = _____

3. $5x + 15 = -5$ x = _____

4. $3x + 2 = -16$ x = _____

5. $-4x - 13 = 15$ x = _____

6. $3x + 15 = 9$ x = _____

7. $2x + 3 = -15$ x = _____

8. $9x - 14 = -77$ x = _____

9. $-8x + 3 = 11$ x = _____

10. $-5x + 11 = -14$ x = _____

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Answer key: Equations with integers

1. $4x - 10 = -22$, so $x = -3$
2. $3x + 2 = -7$, so $x = -3$
3. $5x + 15 = -5$, so $x = -4$
4. $3x + 2 = -16$, so $x = -6$
5. $-4x - 13 = 15$, so $x = -7$
6. $3x + 15 = 9$, so $x = -2$
7. $2x + 3 = -15$, so $x = -9$
8. $9x - 14 = -77$, so $x = -7$
9. $-8x + 3 = 11$, so $x = -1$
10. $-5x + 11 = -14$, so $x = 5$