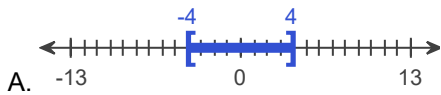1. A. The solution set is $\{$ **16, − 16** $\}$.
   (Type an integer or a simplified fraction. Use a comma to separate answers as needed.)

---

2. A. The solution is an interval. The solution is **[− 4,4]** .
   (Simplify your answer. Type your answer in interval notation. Use integers or fractions for any numbers in the expression.)

   A. -13   0   13

---

3. A. The solution set is $\{$ **14, − 3** $\}$.
   (Type an integer or a simplified fraction. Use a comma to separate answers as needed.)

---

4. A. The solution set is $\{$ **8,16** $\}$.
   (Type an integer or a simplified fraction. Use a comma to separate answers as needed.)

---

5. B. The solution set is ∅.

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6. A. The solution set is $\{$ **16, − 11** $\}$.
   (Type an integer or a simplified fraction. Use a comma to separate answers as needed.)

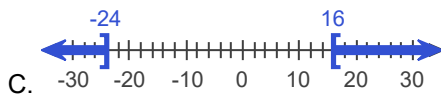7. A. The solution is an interval. The solution is **(− 8,2)** .
   (Simplify your answer. Type your answer in interval notation. Use integers or fractions for any numbers in the expression.)

   A. -20   -10   0   10   20

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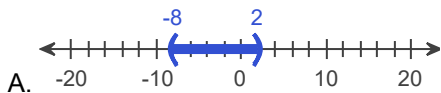
8. A. The solution is an interval. The solution is **(− ∞, − 24]∪[16,∞)** .
   (Simplify your answer. Type your answer in interval notation. Use integers or fractions for any numbers in the expression.)
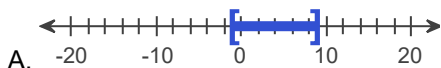

   C. -30 -20 -10   0   10   20   30

---

9. A. The solution set is **[− 1,9]** .
   (Simplify your answer. Type your answer in interval notation. Use integers or fractions for any numbers in the expression.)

   A. -20   -10   0   10   20

10. A. Written in interval notation, the solution is $\left(-\infty, \dfrac{2}{3}\right) \cup (5, \infty)$.

(Simplify your answer. Type your answer in interval notation. Use integers or fractions for any numbers in the expression.)
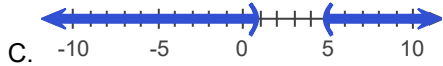
C.

```
      -10      -5       0       5      10
```

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11. A. The solution is one or more intervals. The solution is $[-3, 7]$.

(Simplify your answer. Type your answer in interval notation. Use integers or fractions for any numbers in the expression.)

B.

```
   -10 -8  -6  -4  -2  0  2   4   6  8  10
```