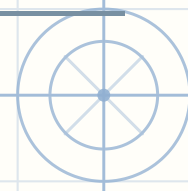


How many solutions — Compare both sides

Name: _____

Date: _____



How many solutions does each equation have? Circle one.

1 $14x + 55 = 14x + 57$ One / None / Many

2 $7x - 4 = 7x + 1$ One / None / Many

3 $9x + 21 = 21 + 9x$ One / None / Many

4 $-8x - 54 = -54 - 8x$ One / None / Many

5 $7x - 31 = 6x - 24$ One / None / Many

6 $20x + 54 = 11x + 23$ One / None / Many



How many solutions · Compare both sides — Answer key

1. $14x + 55 = 14x + 57$: no solution

2. $7x - 4 = 7x + 1$: no solution

3. $9x + 21 = 21 + 9x$: infinitely many

4. $-8x - 54 = -54 - 8x$: infinitely many

5. $7x - 31 = 6x - 24$: one solution

6. $20x + 54 = 11x + 23$: one solution

