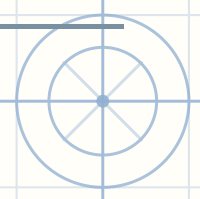


How many solutions — Both kinds

Name: _____

Date: _____



How many solutions does each equation have? Circle one.

1 $17x - 37 = 17x - 33$ One / None / Many

2 $6x - 18 = 15x + 40$ One / None / Many

3 $5(2x - 3) = 10x - 15$ One / None / Many

4 $4(2x + 6) = 8x + 24$ One / None / Many

5 $13x - 26 = 13x - 22$ One / None / Many

6 $16x + 30 = -13x + 57$ One / None / Many



How many solutions · Both kinds — Answer key

1. $17x - 37 = 17x - 33$: no solution

5. $13x - 26 = 13x - 22$: no solution

2. $6x - 18 = 15x + 40$: one solution

6. $16x + 30 = -13x + 57$: one solution

3. $5(2x - 3) = 10x - 15$: infinitely many

4. $4(2x + 6) = 8x + 24$: infinitely many

