

Solve each equation.

1) $|7r - 3| + 1 = -58$

2) $|2n + 6| - 9 = 11$

3) $7|-3 - 5r| = 91$

4) $\frac{|9x - 7|}{9} = 1$

5) $|5n - 9| - 3 = 56$

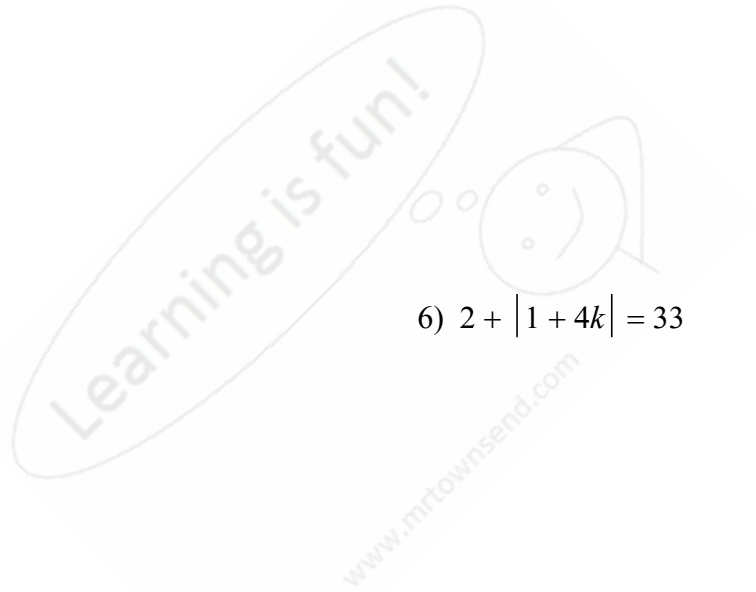
6) $2 + |1 + 4k| = 33$

7) $|3 + 3n| - 3 = -30$

8) $|7n - 7| - 9 = 26$

9) $-10 + |2 - 6x| = 12$

10) $|-3 - 8n| - 8 = -5$



$$11) |9 - 10m| + 10 = 19$$

$$12) \frac{|9p - 8|}{10} = 4$$

$$13) |-8 + 9m| + 6 = 104$$

$$14) |-3 + 10x| + 2 = 79$$

$$15) |9 + 5n| - 5 = 49$$

$$16) |10x + 1| + 8 = 99$$

$$17) |-9 + b| + 8 = 7$$

$$18) |-1 + 7x| - 3 = 45$$

$$19) \frac{|9 + 9a|}{8} = 3$$

$$20) \frac{|5x - 3|}{8} = 2$$

Answers to

1) No solution.

2) $\{7, -13\}$

3) $\left\{-\frac{16}{5}, 2\right\}$

4) $\left\{\frac{16}{9}, -\frac{2}{9}\right\}$

5) $\left\{\frac{68}{5}, -10\right\}$

6) $\left\{\frac{15}{2}, -8\right\}$

7) No solution.

8) $\{6, -4\}$

9) $\left\{-\frac{10}{3}, 4\right\}$

10) $\left\{-\frac{3}{4}, 0\right\}$

11) $\left\{0, \frac{9}{5}\right\}$

12) $\left\{\frac{16}{3}, -\frac{32}{9}\right\}$

13) $\left\{\frac{106}{9}, -10\right\}$

14) $\left\{8, -\frac{37}{5}\right\}$

15) $\left\{9, -\frac{63}{5}\right\}$

16) $\left\{9, -\frac{46}{5}\right\}$

17) No solution.

18) $\left\{7, -\frac{47}{7}\right\}$

19) $\left\{\frac{5}{3}, -\frac{11}{3}\right\}$

20) $\left\{\frac{19}{5}, -\frac{13}{5}\right\}$

