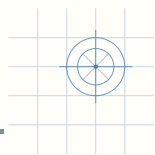


Write the equation of a line — Parallel to a given line

Name: _____

Date: _____



Write the equation of each line parallel to the one given.

1 $(2, 3), y = x + 2$
 $m = 1$
 $b = 3 - (1)(2) = 1$
 $y = x + 1$

2 $(-3, 1), y = x + 2$

3 $(2, 10), y = x + 10$

4 $(-2, -7), y = 4x + 4$

5 $(-2, -16), y = 4x - 11$

6 $(3, 2), y = -x + 4$

7 $(-1, -6), y = -2x - 10$

8 $(3, 6), y = 2x + 1$

9 $(2, -5), y = -2x$

10 $(-2, 5), y = -3x + 2$



Write the equation of a line · Parallel to a given line — Answer key



1. $(2, 3), y = x + 2 \rightarrow y = x + 1$

2. $(-3, 1), y = x + 2 \rightarrow y = x + 4$

3. $(2, 10), y = x + 10 \rightarrow y = x + 8$

4. $(-2, -7), y = 4x + 4 \rightarrow y = 4x + 1$

5. $(-2, -16), y = 4x - 11 \rightarrow y = 4x - 8$

6. $(3, 2), y = -x + 4 \rightarrow y = -x + 5$

7. $(-1, -6), y = -2x - 10 \rightarrow y = -2x - 8$

8. $(3, 6), y = 2x + 1 \rightarrow y = 2x$

9. $(2, -5), y = -2x \rightarrow y = -2x - 1$

10. $(-2, 5), y = -3x + 2 \rightarrow y = -3x - 1$