

Evaluate an expression at a negative value

NAME	DATE	SCORE / 10
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1 Find the value of $3x^2$ when $x = -1$.

2 Noah says that when $n = -6$, the value of $n^2 + 13$ is 1. Is Noah right?

☐ No, the value is 49 ☐ Yes, Noah is right ☐ No, the value is -23

3 Find the value of $9n + 10$ when $n = -7$.

4 Emma says that when $n = -5$, the value of $n^2 + 9$ is 34. Is Emma right?

☐ Yes, Emma is right ☐ No, the value is -16 ☐ No, the value is -1

5 Find the value of $x^2 + 7$ when $x = -8$.

6 Dev says that when $n = -6$, the value of $-n^2 + 2$ is -34. Is Dev right?

☐ No, the value is 14 ☐ Yes, Dev is right ☐ No, the value is 38

7 Find the value of $2x - 10$ when $x = -1$.

8

Noah says that when $x = -8$, the value of $-x^2 + 7$ is -57 . Is Noah right?

☐ Yes, Noah is right ☐ No, the value is 71 ☐ No, the value is 23

9

Find the value of $15 - 3x$ when $x = -4$.

10

Ivy says that when $x = -9$, the value of $-x^2 + 7$ is 88. Is Ivy right?

☐ Yes, Ivy is right ☐ No, the value is 25 ☐ No, the value is -74

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1 3

3 -53

5 71

7 -12

9 27

2 No, the value is 49

4 Yes, Emma is right

6 Yes, Dev is right

8 Yes, Noah is right

10 No, the value is -74