

Evaluate an expression at a negative value

NAME	DATE	SCORE / 10
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1 Find the value of $8x^2$ when $x = -8$.

2 Dev says that when $n = -7$, the value of $-n^2 + 10$ is 59. Is Dev right?

☐ No, the value is -39 ☐ No, the value is 24 ☐ Yes, Dev is right

3 Find the value of $8x - 1$ when $x = -8$.

4 Ben says that when $n = -9$, the value of $7n^2$ is -567 . Is Ben right?

☐ No, the value is 567 ☐ Yes, Ben is right ☐ No, the value is 3969

5 Find the value of $6n^2$ when $n = -6$.

6 Emma says that when $n = -7$, the value of $5n + 10$ is -25 . Is Emma right?

☐ No, the value is 8 ☐ Yes, Emma is right ☐ No, the value is 45

7 Find the value of $x^2 + 1$ when $x = -6$.

8

Ivy says that when $n = -4$, the value of $7n^2$ is 112. Is Ivy right?

- ☐ No, the value is -112 ☐ Yes, Ivy is right ☐ No, the value is 784

9

Find the value of $3n - 13$ when $n = -8$.

10

Cleo says that when $x = -5$, the value of $9x + 2$ is -43 . Is Cleo right?

- ☐ Yes, Cleo is right ☐ No, the value is 6 ☐ No, the value is 47

Evaluate an expression at a negative value

1 512

3 -65

5 216

7 37

9 -37

2 No, the value is -39

4 No, the value is 567

6 Yes, Emma is right

8 Yes, Ivy is right

10 Yes, Cleo is right