

Grade 8 Mathematics Worksheet

Solving algebraic equations and expressions

Questions:

1. If $7x + 5 = -16$, what will the value be of $3x - x^2$?

- A) 18
- B) 0
- C) -9
- D) -18

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Solution

1. $(D) - 7x + 5 = -16 \rightarrow 7x = -21 \rightarrow x = -3$
Now: $3x - x^2 = 3(-3) - (-3)^2 = -9 - 9 = -$

This type of question can be asked at a grade 7 level where learners have dealt with algebraic contexts. Just avoid all the negatives.