

Topic 2: Evaluate by substituting for a variable

Evaluate each expression for the indicated value or values.

1. $6x^2 + 3y^3 - 5$ when $x = 1, y = -3$

2. $-3 - \{2x - [5x - (2x + 1)]\}$ when $x = 3$

3. $\frac{-b - \sqrt{b^2 - 4ac}}{2a}$ when $a = 2, b = 1, c = -10$

Answers

1. -80

2. -1

3. $-\frac{5}{2}$