

For homework, try these problems. Use the given values for each variable to evaluate each algebraic expression.

1. $2x - 3y$ for $x = 5$, $y = -4$.

3. $\frac{2x-3}{3y+6}$ for $x = -3$, $y = 5$.

5. $\frac{\sqrt{n}-7}{7-n}$ for $n = 16$.

7. $r^2 + 3r - 1$ for $r = -4$.

9. $-q^2 - 2q + 7$ for $q = 3$.

2. $\frac{3(x-4)}{5}$ for $x = 9$.

4. $\sqrt{x-16} + 7$ for $x = 25$.

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

8. $\sqrt{3y + \sqrt{x + \sqrt{4}}}$ for $x = 7$, $y = 11$.

10. $\frac{-b + \sqrt{b^2 - 4a(-7)}}{2a}$ for $a = 3$, $b = 4$.