Exercise - Exponents and Order of Operations

1

$[(7^2 - 9) \div 8]2 =$

2

$19 - 3[20 - \frac{2^4 - 7}{4} \times 8] =$

3

$\frac{72 \div 3^2 \cdot 2}{6} =$

4

$5^3 - \frac{1}{2}(12 + 12 \div 3) =$

5

What is the value of $(\frac{2c}{a})^2 - 10 \times \frac{(b+a)}{c}$ if $a = -2$, $b = 3$, and $c = 5$?

6

What is the value of $9 - 2x \div (z - y)^3$ if $x = 4$, $y = -1$, and $z = -3$?

7

What is the value of $\frac{7 \div (q)^2 \cdot 2}{2p} \cdot \frac{-p + 6q - r}{-q}$ if $p = 4$, $q = \frac{1}{2}$, and $r = 2$?

8

What is the value of $\frac{c - 2(a+b)}{(c-a)^2}$ if $a = -\frac{1}{2}$, $b = \frac{3}{2}$, and $c = \frac{5}{2}$?