

# Math 1513 - College Algebra

## Week 1 Discussion Board Questions

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Evaluate the following expressions, be sure to show ALL steps:

1.  $6 \cdot (-3)^2 + 4 - 3 \div 4 + 5 \cdot 2 + 2^2 - 5 \div 2$
2.  $(6 \cdot -3^2) + 4 - (3 \div 4 + 5 \cdot 2 + 2^2) - 5 \div 2$
3.  $(6 \cdot (-3)^2 + 4 - 3 \div 4 + 5 \cdot 2 + 2^2 - 5) \div 2$
4.  $6 \cdot (-3^2 + (4 - 3 \div 4) + 5 \cdot 2 + 2^2) - 5 \div 2$
5.  $6 \cdot ((-3)^2 + 4 - 3 \div 4 + 5 \cdot (2 + 2^2 - 5 \div 2))$
6.  $(6 \cdot (-3)^2 + 4 - 3) \div (4 + 5 \cdot 2 + 2^2 - 5 \div 2)$
7.  $(6 \cdot -3^{2+4-3}) \div 4 + (5 \cdot 2 + 2^2 - 5) \div 2$
8.  $(6 \cdot -3^2 + 4) - 3 \div 4 + (5 \cdot 2 + 2^2 - 5 \div 2)$
9.  $6 \cdot (- (3^2 + 4) - 3 \div 4) + 5 \cdot 2 + (2^2 - 5 \div 2)$
10.  $6 \cdot (-3)^2 + (4 - 3 \div 4 + 5) \cdot (2 + 2^2 - 5) \div 2$
11.  $6 \cdot (-3^2 + 4) - (3 \div 4 + 5) \cdot (2 + 2^2 - 5 \div 2)$
12.  $6 \cdot (-3)^2 + 4 - 3 \div 4 + 5 \cdot 2 + 2^2 - 5 \div 2$
13.  $6 \cdot -(3^2 + 4 - 3 \div 4 + 5 \cdot (2 + 2^2 - 5 \div 2))$
14.  $(6 \cdot (-3)^2 + 4 - 3) \div 4 + (5 \cdot 2 + 2)^2 - 5 \div 2$
15.  $(6 \cdot (-3)^2 + 4 - 3) \div (4 + 5 \cdot 2 + 2^{2-5}) \div 2$
16.  $(6 \cdot (-3)^2 + 4 - 3) \div (4 + 5) \cdot (2 + 2^2 - 5 \div 2)$
17.  $(6 \cdot (-3)^2 + 4 - 3 \div (4 + 5 \cdot 2 + 2^2) - 5) \div 2$
18.  $(6 \cdot -3^2 + 4 - 3) \div (4 + 5 \cdot 2) + (2^2 - 5) \div 2$
19.  $(6 \cdot (-3))^2 + (4 - 3) \div (4 + 5) \cdot 2 + 2^2 - 5 \div 2$
20.  $(6 \cdot (-3)^2 + 4 - 3 \div 4 + 5) \cdot (2 + 2^2 - 5) \div 2$