

**Unit 01:
Review**

Calculators are not permitted on this review.

1. Simplify $6 \cdot 3 / (11 - 2)$

2. Simplify $2(48 \div 4) + 2(5 - 2) - 1$

3. Locate the opposite of -7 on a number line.

4. Simplify $|4 - 6 + 1|$

5. Locate $|-5|$ on a number line.

6. Simplify $18(-2)$

7. Simplify $-5(-6)$

8. Simplify $24 / (-8)$

9. Simplify $-50/(-10)$

10. Simplify $-12 + 5$

11. Simplify $-79 - 2$

12. Using the fact that 1 inch = 2.54 centimeters, use a unit multiplier to convert 8 inches into centimeters.

13. Using the fact that 2 nerds = 32 twerps, use a unit multiplier to convert 10 nerds to twerps.

14. Using the fact that 1 centimeter = 10 millimeters, use a unit multiplier to convert 82 millimeters to centimeters.

15. Simplify $3x - 7y + 2x - 2y$ by combining like terms and then evaluate at $x = 7$ and $y = -6$.

16. Simplify $11x - 6 - 23x + 1$

17. Evaluate $|4b - 3c - 9|$ if $b = 3$ and $c = 2$.

18. Simplify $\frac{3}{4} - \frac{1}{6} + 2$

19. Simplify $\left(\frac{1}{5}x - \frac{7}{4}x\right) \div \frac{1}{2}$

20. Simplify $1 - 6(2x - 3) - 2(2 - x)$ and then evaluate at $x = -5$.