

## Mid-Unit Test (Unit #3) - REVIEW

*Evaluate using order of operations.  
All fraction answers need to be simplified.  
PEMDAS*

1.  $32.3 - 10.4 + 16.5$

2.  $\left(\frac{3}{7}\right)^2 + \frac{1}{7}$

3.  $6^3 - 58 + (12 - 8)^2$

*Evaluate. Round to the nearest tenth.*

4.  $15.1^3$

*Evaluate.*

5.  $\left(\frac{1}{5}\right)^4$

*Evaluate each expression.*

6.  $x + (32 - y) - 12$ , when  $x = 16$  and  $y = 8$

7.  $5a - 2b$ , when  $a = 17$  and  $b = 6$

Name: \_\_\_\_\_

ID: A

*Solve each equation.*

8.  $x+9 = 12$

9.  $48 = 8x$

10.  $16.7+x = 35.8$

11.  $\frac{x}{3} = 6$

12.  $12.4x = 14.88$

13.  $5 = x-14$

14.  $x+13.7 = 17.6$

15.  $4.4 = \frac{x}{17.8}$

**Mid-Unit Test (Unit #3) - REVIEW**  
**Answer Section**

1. 38.4
2.  $16/49$
3. 174
4. 3,443
5.  $1/625$
6. 28
7. 73
8. 3
9. 6
10. 19.1
11. 18
12. 1.2
13. 19
14. 3.9
15. 78.32