Order of operations practice
Algebra 1

Name: KEY
Period: _____

Evaluate the expression and leave all answers as simplified fractions if necessary.

1. $\frac{3}{5}+\frac{4}{5}$
2. $\frac{5}{7}-\frac{2}{5}$
3. $\frac{2}{9}\left(\frac{3}{7}\right)$
4. $\frac{3}{8}\cdot\frac{2}{7}$
5. $4+2\left(3+4^2\right)-1$
6. $2(5)+3\left(2^3\right)\div 4+5$
7. $3-2(1+2)^2+7$
8. $30\div 5+6^2-8$
9. $2+3^3-4(2)^3+9$
10. $\frac{4(8-2)}{3+9}$
11. $40\div 8(6)$
12. $4+3\left(15-2^3\right)$
13. $50\div 2+15\cdot 4$
14. $4-8\div 2+6\cdot 3$

1) $\frac{3}{5}+\frac{4}{5}=\frac{7}{5}$

2) $\frac{5}{7}-\frac{2}{5}=\frac{25}{35}-\frac{14}{35}=\frac{11}{35}$

3) $\frac{2}{9}\left(\frac{3}{7}\right)=\frac{6}{63}=\frac{2}{21}$

4) $\frac{3}{8}\cdot\frac{2}{7}=\frac{6}{56}=\frac{3}{28}$

5) $4+2(3+4^2)-1$
$4+2(3+16)-1$
$4+2(19)-1$
$4+38-1$
41

6) $2(5)+3(2^3)\div 4+5$
$10+3(8)\div 4+5$
$10+24\div 4+5$
$10+6+5$
21

7) $3-2(1+2)^2+7$
$3-2(3)^2+7$
$3-2(9)+7$
$3-18+7$
-8

8) $30\div 5+6^2-8$
$6+36-8$
34

9) $2+3^3-4(2)^3+9$
$2+27-4(8)+9$
$2+27-32+9$
6

10) $\frac{4(8-2)}{3+9}$

$\frac{4(6)}{12}$

$\frac{24}{12}=2$

11) $40\div 8(6)$
$5(6)$
30

12) $4+3(15-2^3)$
$4+3(15-8)$
$4+3(7)$
$4+21$
25

13) $50\div 2+15\cdot 4$
$25+60$
85

14) $4-8\div 2+6\cdot 3$
$4-4+18$
18