Name_____ Date_____

3.1 Practice A

Identify the terms, coefficients, and constants in the expression.

1. $3 + c + e$
2. $5m + 9$
3. $3p^2 + 7$

Evaluate the expression when $c = 4$, $d = 6$, and $e = 10$.

4. $7d$
5. $c + d$
6. $15 - d$
7. $10 \cdot e$
8. $\frac{24}{c}$
9. $9 + e$
10. $16 \div c$
11. $30d$
12. $\frac{60}{d}$

Evaluate the expression when $m = 5$ and $n = 8$.

13. $4m - 7$
14. $4n - 3m$
15. $\frac{6m}{n - 3}$

3.1 Practice B

Write each expression using exponents.

1. $m \cdot m \cdot m \cdot m$
2. $f \cdot g \cdot g \cdot g$
3. $7.4 \cdot x \cdot x \cdot y \cdot y$

Evaluate the expression when $c = 6$, $d = 8$, and $e = 16$.

4. $c + 12$
5. $\frac{d + e}{c}$
6. $3e - c$
7. $4d + 3$
8. $48 \div d$
9. $\frac{2d}{e}$

10. Copy and complete the table.

x	5	8	12
$9x - 5$			
$x^2 + 4$			
$2x^2 + 3x$			

Evaluate the expression when $m = 9$ and $n = 12$.

11. $mn - 4 \cdot 2$
12. $3n - 4m$
13. $\frac{m^2}{3} - 7$

14. On a field trip, your class stops to get ice cream cones. Each cone costs \$3. There are 68 students in your class. How much will the ice cream cones cost?