

Seriously?? :(

## 1.1 Corrective Assingment #2 - Algebra Basics

Evaluate each using the values given.

1)  $p^2 + \frac{m}{2}$ ; use  $m = 2$ , and  $p = -5$

2)  $mp - 1 + p$ ; use  $m = 4$ , and  $p = 4$

3)  $(x - (6 - 2))(y - 2)$ ; use  $x = 6$ , and  $y = 5$

4)  $\frac{2p}{6} - (m + m)$ ; use  $m = -2$ , and  $p = -3$

5)  $rp - p^3$ ; use  $p = -3$ , and  $r = -5$

6)  $j + \frac{k}{3}(-3 + h)$ ; use  $h = 5$ ,  $j = -4$ , and  $k = -3$

Simplify each expression.

7)  $2p + 6p(8p + 10)$

8)  $-2x(8x + 9) + 8x^2$

9)  $6k(4k + 10) + 5k^2$

10)  $-9(m + 8) - 6(m - 10)$

11)  $-10(7n - 7) - 8(1 + 7n)$

12)  $-4x(5x - 1) - 3x(2x - 3)$

13)  $12\left(\frac{3}{4}x - \frac{1}{4}y - \frac{5}{12}x - 2y\right)$

14)  $9\left(\frac{2}{3}y - \frac{1}{9}x - \frac{5}{9}x - \frac{11}{3}y\right)$

15)  $15\left(\frac{5}{3}x - \frac{1}{5}y + \frac{1}{5}y - \frac{7}{15}x\right)$

16)  $18\left(\frac{1}{9}y + \frac{1}{9}x - \frac{11}{6}x - \frac{1}{6}y\right)$

Answers to 1.1 Corrective Assingment - Algebra Basics

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|------------------|-----------------|------------------|-----------------------|
| 1) 26            | 2) 19           | 3) 6             | 4) 3                  |
| 5) 42            | 6) -6           | 7) $62p + 48p^2$ | 8) $-8x^2 - 18x$      |
| 9) $29k^2 + 60k$ | 10) $-15m - 12$ | 11) $-126n + 62$ | 12) $-26x^2 + 4x - 9$ |
| 13) $4x - 27y$   | 14) $-6x - 27y$ | 15) $18x$        | 16) $-31x - y$        |

12)  $-26x^2 + 13x$