

## College Algebra Chapter P Quiz - Exponents

Score: \_\_\_\_\_

1.  $(3x^4) \times (4x^2)$

- (A)  $7x^6$   
 (B)  $7x^8$   
 (C)  $12x^6$   
 (D)  $3/4 x^6$   
 (E) None of these

2.  $(-4w^2x^6y)^2$

- (A)  $16w^4x^{12}y^2$   
 (B)  $-16w^2x^8y^2$   
 (C)  $-4w^2x^{12}y^2$   
 (D)  $8w^4x^{12}y^2$   
 (E) None of these

3.  $(-2x^{-3}y)^2$

- (A)  $-2x^6y^2$   
 (B)  $-4x^{-6}/y^2$   
 (C)  $\frac{4x^3}{y^2}$   
 (D)  $\frac{4y^2}{x^6}$   
 (E) None of these

4.  $(-3x^{-2})^{-3}$

- (A)  $-x^6/27$   
 (B)  $x^6/9$   
 (C)  $-3x^2/3$   
 (D)  $27x^6$   
 (E) None of these

5.  $(6x^2/y^3) \times (y^{-2}x^3/9x^2)$

(A)  $6x^2y^3/x^5y^4$

(B)  $2x^3/3y^5$

(C)  $6x^6/9x^2y^5$

(D)  $2x/3x^2y$

(E) None of these

6.  $5/8 - 5/12 + 1/6$

(A)  $9/16$

(B)  $24/3$

(C)  $3/8$

(D)  $5/8$

(E) None of these