Chapter 5 and Final Review

SHOW ALL WORK!!!!

Simplify.

1. (4x3y-4)(7xy2)
2. 4a2(3b3)(2a2b)
3. 8

m0 + n0

1. (8x2 – 3x) – (4x2 + 5x – 3)
2. (2x + 7)(3x + 5)
3. (y – 3x)2
4. (3a + 4b)4
5. (x2 + xy + y2)(x – y)
6. 12p3t2r – 21p2qtr4 – 9p3tr

3p2tr

1. c2 + 4c – 21

c + 7

1. (m2 – 3m – 7) ÷ (m + 2)
2. (2x3 – x2 + 5x – 12) ÷ (2x – 3)

Factor Completely.

1. 10a3b – 12a2b2
2. 3x2 – 3y2
3. y2 + 7y + 6
4. m4 – 16
5. x 3 + 8

Simplify

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. Solve the system of equations: 4u + 3v = 6

8u – v = -9

27. What is the determinant of 5 7 -2

3 -2 6

1 -4 3