

Practice quiz on sections 7-5 and 7-6

Simplify the following polynomials

1) $x(5x + x^2)$

2) $-4cx(10 + 3x)$

3) $-2g(g^2 - 2g + 2)$

4) $x(3x - 4) - 5x$

5) $2x^2y^2(3xy + 2y + 5x)$

6) $(x + 2)(x + 3)$

7) $(3x + 1)(4x + 3)$

8) $(3n - 4)(n^2 + 5n - 4)$

9) $(t^2 + 4t - 1)(2t^2 - t - 3)$

10) $(3b^2 - 2b + 1)(2b^2 - 3b - 4)$

Solve the equation:

11) $4(2p + 1) - 12p = 2(8p + 12)$

12) $6(x^2 + 2x) = 2(3x^2 + 12)$

EC) $5(2x^2 - 1) - (10x^2 - 6) = -(x + 2)$