Name: _____

1 What is the product of $-3x^2y$ and $(5xy^2 + xy)$?
060807ia
(1) $-15x^3y^3 - 3x^3y^2$ (3) $-15x^2y^2 - 3x^2y$
(2) $-15x^3y^3 - 3x^3y$ (4) $-15x^3y^3 + xy$

2 What is the product of $2r^2 - 5$ and $3r$?
010819a
(1) $6r^3 - 15r$ (3) $6r^2 - 15r$
(2) $6r^3 - 5$ (4) $6r^2 - 15$

3 What is the product of $(c+8)$ and $(c-5)$?
060708a
(1) $c^2 + 3c - 40$ (3) $c^2 + 13c - 40$
(2) $c^2 - 3c - 40$ (4) $c^2 - 40$

4 The expression $(x - 6)^2$ is equivalent to
060015a
(1) $x^2 - 36$ (3) $x^2 - 12x + 36$
(2) $x^2 + 36$ (4) $x^2 + 12x + 36$

5 The expression $(a^2 + b^2)^2$ is equivalent to
010430a
(1) $a^4 + b^4$ (3) $a^4 + 2a^2b^2 + b^4$
(2) $a^4 + a^2b^2 + b^4$ (4) $a^4 + 4a^2b^2 + b^4$

6 When $3x^2 - 6x$ is divided by $3x$, the result is
060506a
(1) $-2x$ (3) $x+2$
(2) $2x$ (4) $x-2$

7 What is $6x^3 + 4x^2 + 2x$ divided by $2x$?
080817a
(1) $3x^2 + 2x$ (3) $4x^2 + 2x$
(2) $3x^2 + 2x + 1$ (4) $4x^2 + 2x + 1$

8 The expression $(50x^3 - 60x^2 + 10x) \div 10x$ is equivalent to
010724a
(1) $5x^2 - 6x + 1$ (3) $5x^2 - 60x^2 + 10x$
(2) $5x^3 - 6x^2 + x$ (4) $5x^2 - 6x$