1. Multiply the polynomials. $(v + 7\theta)(v - 7\theta)$

A. $v^2 + 49\theta^2$

B. $v^2 + 14v\theta - 49\theta^2$

C. $49v^2 - 1\theta^2$

D. $v^2 - 49\theta^2$

E. $v^2 - 14v\theta + 49\theta^2$

2. Multiply the polynomials. $(8r^2 - 5)(8r^2 + 5)$

A. $64r^4 + 80r^2 - 25$

B. $64r^2 - 25$

C. $64r^4 - 25$

D. $64r^4 - 80r^2 + 25$

E. $25r^4 - 64$

3. Multiply the polynomials. $(3\gamma - 8\alpha)(3\gamma + 8\alpha)$

A. $9\gamma^2 + 48\gamma\alpha - 64\alpha^2$

B. $9\gamma^2 - 64\alpha^2$

C. $64\gamma^2 - 9\alpha^2$

D. $9\gamma - 64\alpha$

E. $9\gamma^2 - 48\gamma\alpha + 64\alpha^2$

4. The polynomial expression $(A - B)^2$ is

A. a sum of two squares

B. a square of a sum

C. a square of a difference

D. a difference of two squares

5. Multiply the polynomials. $(2w - 5)(2w + 5)$

A. $4w^2 + 20w - 25$

B. $4w^2 - 25$

C. $25w^2 - 4$

D. $4w - 25$

E. $4w^2 - 20w + 25$

6. Expand the square. $(5\beta - 7)^2$

A. $49\beta^2 - 25$

B. $25\beta^2 - 49$

C. $25\beta^2 - 70\beta + 49$

D. $25\beta^2 - 70\beta - 49$

E. $25\beta^2 + 14\beta - 49$

7. Multiply the polynomials. $(\alpha + 2)(\alpha - 2)$

A. $\alpha^2 - 4\alpha + 4$

B. $4\alpha^2 - 1$

C. $\alpha^2 + 4$

D. $\alpha^2 + 4\alpha - 4$

E. $\alpha^2 - 4$

8. Multiply the polynomials. $(2\beta^2 + 3)(2\beta^2 - 3)$

A. $4\beta^4 - 9$

B. $9\beta^4 - 4$

C. $4\beta^4 + 9$

D. $4\beta^2 + 12\beta^2 - 9$

E. $4\beta^4 - 12\beta^2 + 9$