

## Multiply Monomials & Polynomials

Find the product and simplify.

$$9h(6h^2 + 7h - 5)$$

$$8g(2p^2 - 7pg - 4g^2)$$

$$6n^2(7n^2 + 9n - 4)$$

$$-z(7z^2 - 5z + 8)$$

$$-6s^3(8s^2 - 2s - 9)$$

$$4x^2(7x^2 - 2xd - 8d^2)$$

$$-3c^2(9c^2 + 2cs - 4s^2)$$

$$-2s(4s^2 + 8sg - 7g^2)$$

## Multiply Monomials & Polynomials

Find the product and simplify.

$$\begin{aligned} &9h(6h^2 + 7h - 5) \\ &= 54h^3 + 63h^2 - 45h \end{aligned}$$

$$\begin{aligned} &6n^2(7n^2 + 9n - 4) \\ &= 42n^4 + 54n^3 - 24n \end{aligned}$$

$$\begin{aligned} &-6s^3(8s^2 - 2s - 9) \\ &= -48s^5 + 12s^4 + 54s^3 \end{aligned}$$

$$\begin{aligned} &-3c^2(9c^2 + 2cs - 4s^2) \\ &= -27c^4 - 6c^3s + 12s^2c^2 \end{aligned}$$

$$\begin{aligned} &8g(2p^2 - 7pg - 4g^2) \\ &= 16p^2g - 56pg^2 - 32g^3 \end{aligned}$$

$$\begin{aligned} &-z(7z^2 - 5z + 8) \\ &= -7z^3 + 5z^2 - 8z \end{aligned}$$

$$\begin{aligned} &4x^2(7x^2 - 2xd - 8d^2) \\ &= 28x^4 - 8x^3d - 32d^2x^2 \end{aligned}$$

$$\begin{aligned} &-2s(4s^2 + 8sg - 7g^2) \\ &= -8s^3 - 16s^2g + 14g^2s \end{aligned}$$