

Factor by grouping

$$-2x^3 - x^2 + 18x + 9$$

Break up the polynomial into two sets

$$(\underline{\quad \quad}) (\underline{\quad \quad})$$

Find the GCF of each set

$$\underline{\quad} (\underline{\quad \quad}) \underline{\quad} (\underline{\quad \quad})$$
$$(\underline{\quad \quad}) (\underline{\quad \quad})$$

Factor again

$$(\underline{\quad \quad}) (\underline{\quad \quad}) (\underline{\quad \quad})$$

$$6w^4 + 3w^3 - 14w^2 - 7w$$

Break up the polynomial into two sets

$$(\underline{\quad \quad}) (\underline{\quad \quad})$$

Find the GCF of each set

$$\underline{\quad} (\underline{\quad \quad}) \underline{\quad} (\underline{\quad \quad})$$
$$(\underline{\quad \quad}) (\underline{\quad \quad})$$