

Dividing Polynomials

Divide by factorization method.

$$1) \frac{(4v + 2)(v - 6)^2}{4v^2 - 22v - 12}$$

$$2) \frac{4w^2 - 1}{(2w + 1)(2w - 1)}$$

$$3) \frac{7c^3 - 4c^2 - 28c}{c - 2}$$

- 3)

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$$5) \frac{18q^4 - 6q^3 - 12}{9q^2 + 6q}$$

$$\frac{a^3 - 5a^2 - 9a + 15}{a + 1}$$

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$$7) \frac{(2t^2 + 9tu - 5u^2)(2t - u)}{4t^2 - 4tu + u^2}$$

$$8) \frac{49z^5 + 84z^4 + 36z^3}{7z + 6}$$