

Dividing Polynomials Worksheet

$$\textcircled{1} \frac{x^3 - 11x^2 + 26x + 20}{x - 6}$$

$$\textcircled{2} \frac{x^3 - 8x^2 + 23x - 28}{x^2 - 4x}$$

$$\textcircled{3} \frac{x^2 + 6x + 9}{x + 3}$$

$$\textcircled{4} \frac{x^2 + 7x + 10}{x + 2}$$

$$\textcircled{5} \frac{x^3 + 8x^2 + 7x - 24}{x^2 + 5x - 8}$$

$$\textcircled{6} \frac{2x^3 - 11x^2 - 2x + 2}{2x + 1}$$

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Answers

$$\textcircled{1} \frac{x^3 - 11x^2 + 26x + 20}{x - 6}$$

$$\textcircled{2} \frac{x^3 - 8x^2 + 23x - 28}{x^2 - 4x}$$

$$\frac{x^2 - 5x - 4 + \frac{-4}{x - 6}}{\phantom{x^2 - 5x - 4 + \frac{-4}{x - 6}}}$$

$$\frac{x - 4 + \frac{7x - 28}{x^2 - 4x}}{\phantom{x - 4 + \frac{7x - 28}{x^2 - 4x}}}$$

$$\textcircled{3} \frac{x^2 + 6x + 9}{x + 3}$$

$$\textcircled{4} \frac{x^2 + 7x + 10}{x + 2}$$

$$\frac{x + 3}{}$$

$$\textcircled{5} \frac{x^3 + 8x^2 + 7x - 24}{x^2 + 5x - 8}$$

$$\frac{x + 5}{}$$

$$\textcircled{6} \frac{2x^3 - 11x^2 - 2x + 2}{2x + 1}$$

$$\frac{x + 3}{}$$

$$\frac{x^2 - 6x + 2}{}$$