

Name: _____

Date: _____ Score: _____

Dividing by Monomials

Divide.

$$\begin{array}{r} 1 \\ \hline 18p^4 - 12p^2 + 6p \\ 6p \end{array}$$

$$\begin{array}{r} 2 \\ \hline 50b^{12} - 40b^9 + 30b^8 \\ 10b^2 \end{array}$$

$$\begin{array}{r} 3 \\ \hline 8b^{10} - 28b^6 \\ 4b^5 \end{array}$$

$$\begin{array}{r} 4 \\ \hline 16t^8 + 40t^7 - 48t^4 \\ 8t^3 \end{array}$$

$$\begin{array}{r} 5 \\ \hline 25x^4 + 25x^2 + 45x \\ 5 \end{array}$$

$$\begin{array}{r} 6 \\ \hline 84q^7 - 42q^6 \\ -21q^4 \end{array}$$

$$\begin{array}{r} 7 \\ \hline -12n^{12} + 36n^{10} + 84n^8 - 72n^4 \\ 12n^2 \end{array}$$

$$\begin{array}{r} 8 \\ \hline 154m^9 \\ 14m^6 \end{array}$$

$$\begin{array}{r} 9 \\ \hline 18y^6 + 15y^3 \\ 3y^2 \end{array}$$

$$\begin{array}{r} 10 \\ \hline 84q^7 - 42q^6 \\ -21q^4 \end{array}$$

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Answers

1
$$\frac{18p^4 - 12p^2 + 6p}{6p}$$

2
$$\frac{50b^{12} - 40b^9 + 30b^8}{10b^2}$$

3 $3p^3 - 2p + 1$

4 $5b^{10} - 4b^7 + 3b^6$

5
$$\frac{8b^{10} - 28b^6}{4b^5}$$

6
$$\frac{16t^8 + 40t^7 - 48t^4}{8t^3}$$

7 $2b^5 - 7b$

8 $2t^5 + 5t^4 - 6t$

9
$$\frac{25x^4 + 25x^2 + 45x}{5}$$

10
$$\frac{84q^7 - 42q^6}{-21q^4}$$

11 $5x^4 + 4x^2 + 9x$

12 $-4q^3 + 2q^2$

13
$$\frac{-12n^{12} + 36n^{10} + 84n^8 - 72n^4}{12n^2}$$

14
$$\frac{154m^9}{14m^6}$$

15 $-n^{10} + 3n^8 + 7n^6 - 6n^2$

16 $11m^3$

17
$$\frac{18y^6 + 15y^3}{3y^2}$$

18
$$\frac{84q^7 - 42q^6}{-21q^4}$$

19 $6y^4 + 5y$

20 $-4q^3 + 2q^2$