

6

$$\begin{array}{r}
 x^4 + x^3 + 3x^2 \\
 \hline
 x^2 - x + 3 \overline{) x^6 + 0x^5 + 5x^4 + 0x^3 + 3x^2 - 2x} \\
 \underline{x^6 + x^5 - 3x^4} \\
 +x^5 + 2x^4 + 0x^3 \\
 \underline{-x^5 + x^4 - 3x^3} \\
 +3x^4 - 3x^3 + 3x^2 \\
 \underline{-3x^4 + 3x^3 - 6x^2} \\
 -6x^2 - 2x
 \end{array}$$

$$\begin{array}{r}
 x^2 - 5x + 6 \\
 \hline
 x^2 + 3x - 2 \overline{) x^4 - 2x^3 - 11x^2 + 30x - 20} \\
 \underline{-x^4 - 3x^3 + 2x^2} \\
 -5x^3 - 9x^2 + 30x \\
 \underline{+5x^3 + 15x^2 + 10x} \\
 +6x^2 + 40x - 20 \\
 \underline{-6x^2 - 18x + 12} \\
 22x - 8
 \end{array}$$

12

$$(-3x^6 y^3 z^2) (-3x^6 y^3 z^2)$$

$$(+9x^{12} y^6 z^4)$$

$$-\frac{4}{3}A + \frac{1}{2}AB^2 - \frac{5}{3}B^2$$

$$-\frac{1}{2}AB^2 \Big/ \frac{2}{3}A^2B^2 - \frac{1}{4}A^2B^4 + \frac{5}{6}AB^4 - \frac{2}{5}B^5$$

$$-\frac{4}{6}A^2B^2$$

$$-\frac{1}{4}A^2B^4$$

$$+\frac{1}{4}A^2B^4$$

$$+\frac{5}{6}AB^4$$

$$-\frac{5}{6}AB^4$$

$$-\frac{2}{5}b$$

$$\begin{array}{r}
 a^2 + 2a \\
 \hline
 3a \sqrt{3a^3 + 5a^2 - 4} \\
 \underline{-3a^3} \\
 + 5a^2 - 4 \\
 \underline{-6a^2} \\
 - a^2 - 4
 \end{array}$$

10

$CR^4 S^3 T^2 U^2 CR^4 S^3 T^2 U^2$

$CR^8 S^6 T^4 U^2 CR^4 S^3 T^2 U^2$

$CR^{12} S^9 T^3 U^3 CR^4 S^3 T^2 U^2$

$CR^{16} S^{12} T^4 U^4 CR^4 S^3 T^2 U^2$

$CR^{20} S^{15} T^5 U^5$

$CR^4 S^3 T^2 U^2$

$CR^4 S^3 T^2 U^2$

$CR^4 S^3 T^2 U^2$