These questions are all taken from your Algebra Review text; the page and problem numbers given here are from the third edition.
(p. 63, Ex 2(a)) Evaluate $\left[(-2)^{3}\right]^{2}$.
(p. 77, \#51) Give the degree of the polynomial $x y^{2}-1+x$.
(p. 77, \#63) Evaluate the polynomial $5 y^{3}-3 y^{2}+4$ for the value $y=2$.
(p. 93) Perform the indicated operations. Express your answer as a polynomial. (\#89) $(x-y)^{2}-(x+y)^{2}$
$(\# 95)(x-y)\left(x^{2}+x y+y^{2}\right)$
(p. 120) Completely factor each polynomial. (\#17) $9 x^{2}-16$.
$(\# 19) x^{2}+2 x+1$.
(p. 146, \#27) Reduce to lowest terms: $\frac{y^{2}-25}{2 y-10}$.
(p. 147, \#53) Evaluate the expression $\frac{x^{2}-4 x+4}{x^{2}-25}$ for the value $x=-4$.
(p. 147, \#67) Determine which of the values must be excluded from the domain of the variable in the expression $\frac{x^{2}+5 x-10}{x^{3}-x}$. (There may be more than one answer.)
(a) $x=3$
(b) $x=1$
(c) $x=0$
(d) $x=-1$
(p. 153, \#49) Simplify $\frac{\frac{8 x}{x^{2}-1}}{\frac{10 x}{x+1}}$.
(p. 187, \#23) Simplify $\frac{2^{3} \cdot 3^{2}}{2 \cdot 3^{-2}}$.
(p. $198, \# 65)$ Perform the indicated operations and simplify: $(\sqrt{3}-\sqrt{2})(\sqrt{3}+\sqrt{2})$.
(p. 206, \#27) Evaluate $\sqrt[3]{8(1+x)^{3}}$.
(p. 206, \#47) Simplify $\sqrt{\frac{4}{9 x^{2} y^{4}}}$.

