Dividing Polynomials

Divide by synthetic method.

1) $(3a^2 + 5a + 7) \div (3a + 2)$

2) $(9c^2 - 12) \div (c - 3)$

3) $(8m^4 - 6m^3 + 4m$ $71) \div (t + 6)$

5) $(10x^3 + 37x^2 + 4$ $- 16v + 9) \div (v - 4)$

7) $(4h^2 + 5h + 3) \div (h - 2)$

8) $(8w^3 + 10w^2 + 6) \div (w + 1)$