ANSWERS

A) _____

B) _____

C) _____

A) The trinomial $24x^2 + 175x + 100$ factors as $(Ax + B)(Cx + D)$.
   Compute the product $ABCD$.

B) Compute <u>all</u> real roots of $(x - 3)^3 + 2(x - 3)^2 = 8x - 24$.

C) Compute all values of x for which $\dfrac{x}{2x+3} - \dfrac{x+1}{3-2x} - \dfrac{20x}{8x^2-18} = 0$.