

Answer key

a) in slides. (warm up.)

b)

$$\begin{array}{r} 6x^2 - 7x + 2 \\ X-2 \overline{) 6x^3 - 19x^2 + 16x - 4} \\ \underline{-6x^2 + 12x^2} \\ 0 - 7x^2 + 16x \\ \underline{+7x^2 - 14x} \\ 0 2x - 2 \\ \underline{-2x + 2} \\ 0 \end{array}$$

c) $a=6, b=-7, c=2$

$$x = \frac{7 \pm \sqrt{49 - 4 \cdot 2 \cdot 2}}{2 \cdot 6} =$$