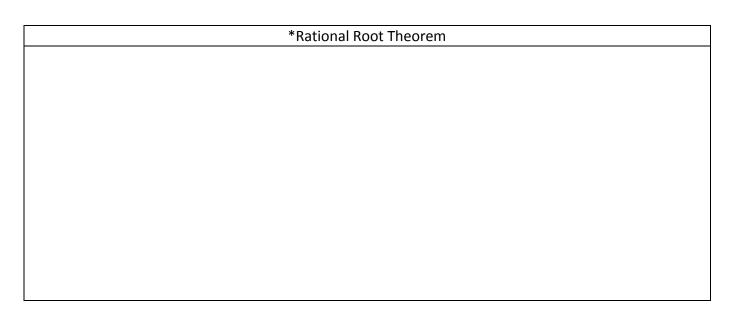
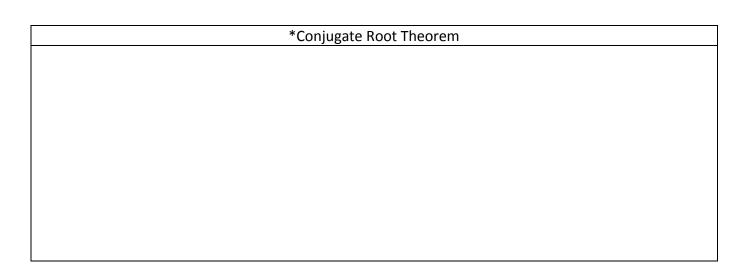
\*Objectives:



**Got lt? 1.** What are the rational roots of  $3x^3 + 7x^2 + 6x - 8 = 0$ ?

**Got lt? 2.** What are the rational roots of  $2x^3 + x^2 - 7x - 6 = 0$ ?



Got It? 3. A cubic polynomial 
$$P(x)$$
 has real coefficients. If  $3-2i$  and  $\frac{5}{2}$  are two roots of  $P(x)=0$ , what is one additional root?

Got It? 4. What quartic polynomial equation has roots 
$$2 - 3i$$
,  $8$ ,  $2$ ?

Inclass: p. 316 #16, 20, 26

**Homework:** p. 316 #11-29(odd) **Interactmath:** #16, 19, 23, 25, 27

**Fix:** 
$$#11 2x^3 - 5x + 3 = 0$$

#13 
$$4x^3 + 2x - 6 = 0$$

#15 
$$7x^3 - x^2 + 4x + 12 = 0$$

#17 
$$10x^3 - 7x^2 + x - 4 = 0$$