

Rational Zero Test Homework

Name _____

1.) $y = x^3 + 7x^2 + 7x - 15$

number of complex roots:

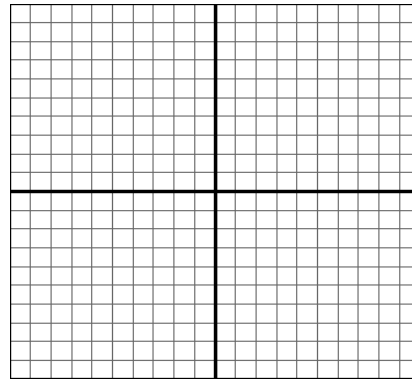
number of possible positive roots:

number of possible negative roots:

Is 1 a root?

Is -1 a root?

possible roots: $\frac{\text{factors of}}{\text{factors of}} = \text{_____} =$



2.) $y = x^3 - 7x - 6$

number of complex roots:

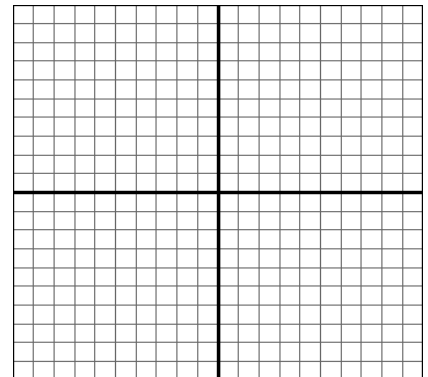
number of possible positive roots:

number of possible negative roots:

Is 1 a root?

Is -1 a root?

possible roots: $\frac{\text{factors of}}{\text{factors of}} = \text{_____} =$



3.) $y = x^4 + 2x^3 - 9x^2 - 2x + 8$

number of complex roots:

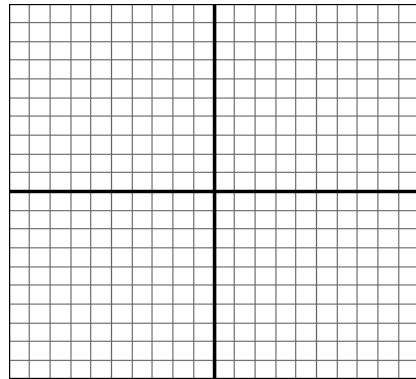
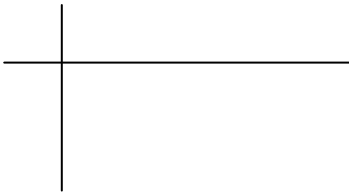
number of possible positive roots:

number of possible negative roots:

Is 1 a root?

Is -1 a root?

possible roots: $\frac{\text{factors of}}{\text{factors of}} = \text{-----} =$



4.) $y = 6x^3 + 19x^2 + 2x - 3$

number of complex roots:

number of possible positive roots:

number of possible negative roots:

Is 1 a root?

Is -1 a root?

possible roots: $\frac{\text{factors of}}{\text{factors of}} = \text{-----} =$

