Station One

Factor:
$$x^4 + 9x^3 - x - 9$$

$$(x^3(x+9)-1(x+9))$$

Station Two

Team Number ___

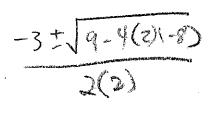


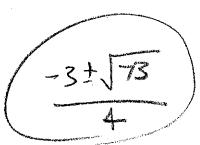


Station Three

Team Number __

Solve:
$$2x^2 + 3x = 8$$

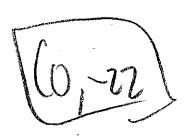




Station Four

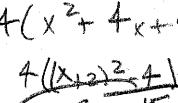
Team Number _____

Focus of
$$y = -\frac{1}{60}x^2 - 7$$



Directrix of $y = 4x^2 + 16x + 13$

1

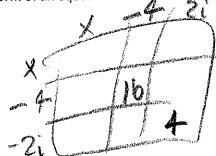


 $\frac{1}{3} - \frac{2}{3} = \frac{3}{4(x+2)^2 - 3} = \frac{3}{4(x$

Station Six

Team Number _____

General Form of an equation with a root at 4 – 2i and a scale factor of 1.



$$(x-4-2i)(x-4+2i)$$

Station Seven

Team Number _____

Factor: $216x^4 - 258x^3 - 210x^2$

