

Monday:

1. Identify the vertex: $f(x) = -(x + 7)^2 - 2$
2. Identify the vertex: $f(x) = 2x^2 + 12x + 9$
3. Write the transformed function from the parent function: $f(x) = x^2$
 - a. Shift right 3; shift up 7; reflect across the x-axis

Tuesday:

1. Factor: $36x^2 - 169$
2. Factor: $x^2 - 8x - 33$
3. Factor: $3x^2 + 14x - 5$

Wednesday:

1. Simplify: $(5 + 3i)^2$
2. Simplify: $\sqrt{-54}$
3. Simplify: $(3 - 6i) - 2(5 + i)$

Thursday:

1. Solve by factoring: $x^2 + 9x = 36$
2. Solve using the quadratic formula: $5x^2 - 3x = -2$

Friday:

1. Identify discriminant and root type: $4x^2 - 5x = -2$