

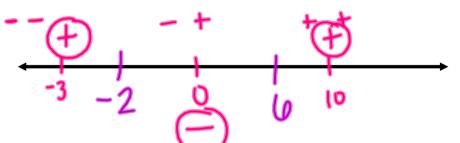
Essential Question

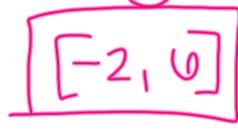
How do I solve polynomial inequalities using a sign chart?

Essential Question How do I solve polynomial inequalities using a sign chart?

1.
$$x^2 - 4x - 12 \le 0$$

$$(x-\omega)(x+2)\leq 0$$







Essential Question How do I solve polynomial inequalities using a sign chart?

2.
$$x^2 + x + 3 > 5$$

 $x^2 + x - 2 > 0$
 $(x+2)(x-1) > 0$

$$\frac{-2}{(-\infty,-2)} \cup (1,\infty)$$

How do I solve polynomial inequalities using a sign chart? Essential Question

3.
$$x^3 - 2x^2 + x \le 0$$

 $x(x^2 - 2x + 1) \le 0$

$$X(X^{-2}X+1) \leq 0$$
 $(-\infty)$ $0 \leq 1$ $X(X-1)(X-1) \leq 0$ $(-\infty)$ $0 \leq 1$