(11) $x^2 - 5x + 6 > 0$

$(x^2 - 2)(x - 3)$

$x = 2 \quad x = 3$

HP: interval $(2,3) = \{x \mid -2 > x > 3\}$

(12) $3x^2 - 11x - 4 \leq 0$

$(3x - 1)(x + 4)$

$x = \frac{1}{3} \quad x = -4$

HP: interval $(-4, \frac{1}{3}) = \{x \mid -4 \leq x \leq \frac{1}{3}\}$

(13) $2x^2 + 7x - 15 \geq 0$

$(2x - 3)(x + 5)$

$x = \frac{3}{2} \quad x = -5$

HP: interval $(-5, \frac{3}{2}) = \{x \mid -5 \leq x \leq \frac{3}{2}\}$

(21) $|x + 1| < 4$

$-4 < x + 1 < 4$

$-4 - 1 < x < 4 - 1$

$-5 < x < 3$

(22) $|3x + 4| < 8$

$-8 < 3x + 4 < 8$

$-8 - 4 < 3x < 8 - 4$

$-12 < 3x < 4$

$-\frac{12}{3} < x < \frac{4}{3}$

$-4 < x < \frac{4}{3}$

(23) $|\frac{x}{3} - 2| \leq 6$

$-6 \leq \frac{x}{3} - 2 \leq 6$

$-6 + 2 \leq \frac{x}{3} \leq 6 + 2$

$-4 \leq \frac{x}{3} \leq 8$

$-4 \times 3 \leq x \leq 8 \times 3$

$-12 \leq x \leq 24$

(24) $|4x + 2| \geq 10$

$-10 \leq 4x + 2 \geq 10$

$-10 - 2 \leq 4x \geq 10 - 2$

$-12 \leq 4x \geq 8$

$-\frac{12}{4} \leq x \geq \frac{8}{4}$

$-3 \leq x \geq 2$

(25) $|2 - 4x| \geq 10$

$-10 \leq 2 - 4x \geq 10$

$-10 - 2 \leq -4x \geq 10 - 2$

$-12 \leq -4x \geq 8$

$-\frac{12}{-4} \leq x \geq \frac{8}{-4}$

$3 \leq x \geq -2$

(26) $|\frac{3x}{5} + 1| \leq 4$

$-4 \leq \frac{3x}{5} + 1 \leq 4$

$-4 - 1 \leq \frac{3x}{5} \leq 4 - 1$

$-5 \leq \frac{3x}{5} \leq 3$

$-5 \times 5 \leq 3x \leq 3 \times 5$

$-25 \leq 3x \leq 15$

$-\frac{25}{3} \leq x \leq \frac{15}{3} = 5$

(27) $|\frac{x}{2} + 7| > 2$

$-2 < \frac{x}{2} + 7 > 2$

$-2 - 7 < \frac{x}{2} > 2 - 7$

$-9 < \frac{x}{2} > -5$

$-9 \times 2 < x > -5 \times 2$

$-18 < x > -10$