☺ *Solve.*

(1) $\sqrt{x} > 5$

(2) $\sqrt{3x} < 3$

(3) $\sqrt{\dfrac{4x}{3}} \geq 2$

(4) $\sqrt{3x - 2} > 4$

(5) $\sqrt{5(x + 2)} - 4 < 2$

☺ *Solve.*

(6) $\sqrt{\dfrac{2(2x + 1)}{5}} \geq 2$

(7) $4\sqrt{2x - 5} > 12$

(8) $2\sqrt{3(2x - 7)} + 3 < 6$

(8) $-4\sqrt{2(5x + 2)} - 5 < -12$

(10) $7\sqrt{\dfrac{3(2x - 1)}{2}} + 3 \geq 17$

☺ *Solve.*

(11) $x^2 - 3x - 4 > 0$

(12) $x^2 - x - 2 < 0$

(13) $x^2 + 4x - 21 \geq 0$

(14) $x^2 + 5x > 6$

(15) $x^2 - x \leq 2$

☺ *Solve.*

(16) $2x^2 + 3x - 9 \geq 0$

(17) $3x^2 - x - 4 < 0$

(18) $4x^2 + 27x - 7 \leq 0$

(19) $6x^2 - 19x \geq -8$

(20) $10x^2 + 11x < 6$

☺ *Solve.*

(21) $\dfrac{10}{x} > 5$

(22) $-\dfrac{2}{x} < 4$

(23) $\dfrac{3}{2x} > 4$

(24) $\dfrac{4}{x} < -6$

(25) $-\dfrac{5}{3x} > -7$

☺ *Solve.*

(26) $\dfrac{2}{3x} + 3 > 6$

(27) $\dfrac{4}{5x} - 10 < -3$

(28) $\dfrac{2}{7x} + 6 > -3$

(29) $-\dfrac{3}{2x} - 7 < 5$

(30) $-\dfrac{1}{4x} + 3 > -9$

☺ *Solve.*

(31) $\dfrac{2}{x-1} > 1$

(32) $\dfrac{3}{2x+5} < 3$

(33) $\dfrac{4}{3x-2} > -3$

(34) $\dfrac{5}{5x-3} \le -2$

(35) $\dfrac{2}{2x+7} \ge 6$

☺ *Solve.*

(36) $\dfrac{3}{x-2} - 2 > 2$

(37) $\dfrac{4}{3x+1} - 1 < 2$

(38) $\dfrac{1}{2x-3} + 3 \ge 2$

(39) $\dfrac{5}{3x-4} + 6 \le 7$

(40) $\dfrac{3}{4x-1} - 3 \le -4$