

14-05-15-T7

Find all solutions. Answer must include inequality, graph, interval (see example in your class notes).

1) $k - 3 \geq 3k + 3$ or $2k - 1 > -2k + 3$

2) $1 + 2x > x - 1$ or $-x + 2 < -1 - 2x$

3) $p - 2 \geq 3 + 2p$ or $2 + 2p \geq p + 2$

4) $-3b + 1 \geq 3 - b$ or $2 + 3b < -2 + 3b$

5) $2a + 2 < 3a - 2$ or $a + 1 < 1 - a$

6) $v + 3 \geq 2v - 1$ or $-2 + v \leq 2v + 2$

7) $3x + 2 \leq 3 + 2x$ or $3 + 2x \leq x + 2$

8) $3x + 3 < -1 + 2x$ or $-x + 1 \leq 2x + 1$

9) $3x - 2 \leq -3 + 2x$ or $x + 2 < 2x - 1$

10) $-2 - m \geq 2 + m$ or $m - 2 > -m - 2$

11) $2 + 2n \leq n - 1$ or $2n - 2 \leq 1 + n$

12) $-2 + 2x > x + 2$ or $-x - 2 > 2 + 3x$

Answers to 14-05-15-T7

