

Algebra 1 Worksheet

Inequalities

Solve These Inequalities.

1. $2x - 3 \leq 3$

$$\underline{x \leq 3}$$

2. $2 - 3y > 16$

$$\underline{y < -\frac{14}{3}}$$

3. $-10x + 2 < -18$

$$\underline{x > 2}$$

4. $3z - 6 \geq 21$

$$\underline{z \geq 9}$$

5. $2v + 11 > 4v - 7 - 16$

$$\underline{v < 17}$$

Answers

6. $2.1x + 2.4 \geq 3.6x - 0.6$

$$\underline{x \leq 2}$$

7. $4x - 12 \geq 8$

$$\underline{x \geq 5}$$

8. $3x - 8 \leq 22$

$$\underline{x \leq 10}$$

9. $4(2y - 1) > -7 + 2y$

$$\underline{y > -0.5}$$

10. $4(x - 1) \leq 16$

$$\underline{x \leq 5}$$