

Review Chapters 1-3

Evaluate each expression.

1) $6 - 3 + 4$

2) $3 \times 8 \div 4$

3) $1 - 7 - (9 + 7)$

4) $2 + 4 + 8 - (-2)$

Evaluate each using the values given.

5) $b^2 - \frac{9}{3} + a$; use $a = 8$, and $b = -5$

6) $m + p - m - |-10|$; use $m = -3$, and $p = 9$

Solve each equation.

7) $-16 = x - 27$

8) $540 = 18n$

9) $-3 - 2a = 37$

10) $\frac{v - 10}{1} = 0$

11) $7(5x - 6) + 5x = 34 + 2x$

12) $5(2x + 6) = 7x + 36$

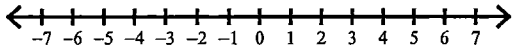
Solve each proportion.

13) $\frac{5}{4} = \frac{10}{x}$

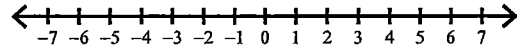
14) $\frac{k}{2} = -\frac{6}{4}$

Draw a graph for each inequality.

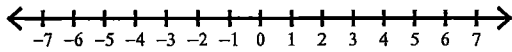
15) $x > -4$



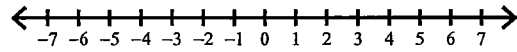
16) $x \leq -2$



17) $m < 4$

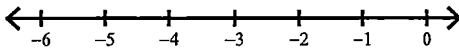


18) $x \geq 5$

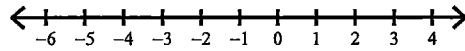


Solve each inequality and graph its solution.

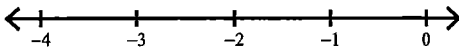
19) $-8x \geq 16$



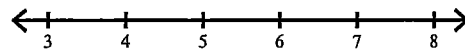
20) $x - 4 > -5$



21) $4x + 1 < -7$



22) $\frac{x}{6} + 2 \geq 3$



Simplify each expression.

23) $-7x - 6(8x + 5)$

24) $-8(8v + 5) - 4$