

Q1HW4

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Evaluate each function.

1) $g(n) = 4n - 5$; Find $g(-7)$

2) $g(x) = 2x^3 - x$; Find $g(1)$

3) $g(x) = 3x - 5$; Find $g(x - 3)$

4) $p(n) = -4n - 1$; Find $p(-2n)$

5) $h(n) = 4n - 2$

$g(n) = n - 4$

Find $h(g(n))$

6) $f(x) = -3x^2 + x$

$g(x) = -x - 3$

Find $f(g(x))$

Solve each equation. Check your solution.

7) $-13 = -6x - 7x$

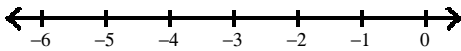
8) $-23 = n - 8 + 2n$

9) $m - 17 = -2 - (4m - 5)$

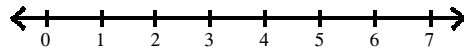
10) $4r + 15 = -5(7r - 3)$

Solve each inequality and graph its solution.

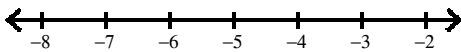
11) $-2 - 8x - 1 > 13$



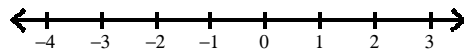
12) $2n - 6 + 2n \leq 10$



13) $b - 8 + 3 > -9$



14) $6r + 6r \leq -12$

**Solve each inequality.**

15) $-5(x + 3) > 37 + 8x$

16) $-5n - 7(3 - 3n) < 8n + 35$

17) $7(3 - 2a) \geq 30 - 5a$

18) $3(3v - 1) > -28 + 4v$