

Solve each equation for t .

1) $\frac{3t-4}{5} = 5$

2) $10 - t = 4t + 12 - 3t$

3) $P = 5t - d$

4) $xy - t = 13t + w$

Use the given sequence of number to write a recursive rule for the n th value of the sequence.

5) 5, 15, 45, ...

6) $\frac{1}{2}, 0, -\frac{1}{2}, -1, \dots$

7) 3, -6, 12, -24, ...

8) $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \dots$

Solve and graph the following compound inequalities.

9) $-3 \leq 2x - 2 \leq 5$

10) $2x + 7 < 13$ OR $-3x - 2 \leq 10$