

9. Solve each inequality. Graph the solution.

a) $1 - k \leq 4 + k$

b) $2 + 3g < g - 5$

c) $4.5 - 2.5a > 6$

d) $4.7b - 9 \geq 11 - 1.3b$

e) $-6.4 + 3.6s \leq 1.8s + 1.7$

f) $-2.5v + 4.7 \geq -3.8v + 1.58$

5. A car rental company charges \$24.95 per day plus \$0.35 per kilometre.

A business person is allowed \$50 each day for travel expenses.

How far can the business person travel without exceeding her daily budget?

a) Define a variable, then write an inequality to solve the problem.

b) Solve the problem. Graph the solution.

How do you know that your answer is correct?