

Name _____

3-2A

Lesson Master

Questions on SPUR Objectives
See pages 178–179 for objectives.

USES

Objective D

In 1 and 2, define the variable and represent the relationship with an equation.

1. The gas tank in Tanya’s car holds 14.6 gallons. Her car averages 23 miles per gallon. If Tanya starts with a full tank of gas, how many miles can she drive before there are only two gallons left?

2. Avery is saving for a used car that costs \$12,000. He has \$3,350 in his savings account and saves \$325 per week. How many weeks will it be before Avery can buy his car?

REPRESENTATIONS

Objective E

In 3 and 4, solve the equation by making a table and circling the row on the table that contains the solution.

3. $9 = 4x - 3$

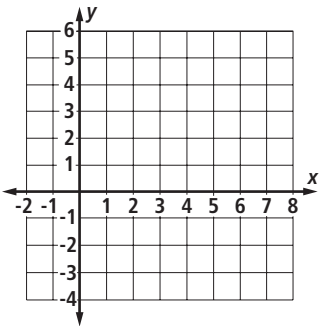
x	$4x - 3$	y
1	$4(1) - 3$	
2	$4(\quad) - 3$	
3		
4		
5		

4. $-3x + 5 = -4$

x	$-3x + 5$	y
1		
2		
3		
4		
5		

In 5 and 6, solve the equation by making a graph and drawing lines from the y -axis to the graph, and then to the x -axis to indicate the solution.

5. $-2x + 4 = -2$



6. $5 = 3x + 2$

