

1.1.D2 ~ Quantities & Relationships

Past due on _____ Period _____

SPIRAL REVIEW**First distribute. Then use inverse operations to solve each equation. Show all work.**

1) $6(b + 1) = 18$

2) $32 = -2(n - 8)$

3) $9(x + 5) = 189$

4) $8(n + 10) = -32$

5) $72 = -3(-6 + a)$

6) $-95 = -5(a - 1)$

7) $-7(x - 1) = -126$

8) $2(-2 + m) = 10$

Identify the independent and dependent quantities for the problem situation. Remember to include units. (Refer to Lesson 1.1 example "Identifying Dependent and Independent Quantities" of the chapter summary.)

- 9) Benjamin works at a printing company. He is making T-shirts for a high school volleyball team. The press he runs can imprint 3 T-shirts per minute.

Independent quantity:

Dependent quantity:

- 10) On her way to work each morning, Sophia purchases a small cup of coffee for \$4.25 from the coffee shop.

Independent quantity:

Dependent quantity:

NEW ~ Lesson 1.1

See second attachment: "1.1.D2 ~ Quantities & Relationships BACK"

Follow the directions; record your answers below.

(If necessary, refer to the Lesson 1.1 example "Labeling and Matching a Graph to an Appropriate Problem Situation" in the chapter summary.)

11) PROBLEM 7

Scenario:

x -axis label & units:

y -axis label & units:

12) PROBLEM 8

Scenario:

x -axis label & units:

y -axis label & units:

13) PROBLEM 9

Scenario:

x -axis label & units:

y -axis label & units:

14) PROBLEM 10

Scenario:

x -axis label & units:

y -axis label & units:

15) PROBLEM 11

Scenario:

x -axis label & units:

y -axis label & units:

16) PROBLEM 12

Scenario:

x -axis label & units:

y -axis label & units: