## Worksheet 1

## Ratios, Rates & Proportions

1	A	
Name JOR	Resende	Score

Reduce the following ratios and express all three ways. (2 points each answer)

	То	:	fraction
1. 8 to 30	4 to 15	4:15	-45
2. 5 to 15	1 10 3	1:3	3
3. 20 to 4	5 +8 1	511	5
4. 6000 to 80,000	3 1040	3:46	40

Solve the proportions. (4 points each)

5. 
$$\frac{n}{40} = \frac{3}{5}$$

6. 
$$\frac{35}{n} = \frac{7}{4}$$

8. 
$$\frac{2}{5} = \frac{9}{7}$$

Use ratio or proportion to complete the following problems. Reduce ratios or proportions to lowest terms. (5 points each)

Bob completed 6 homework assignments and Steve completed 10. What is the ratio of completed assignments by Bob to those completed by Steve?

The ratio of homes sold to families to homes sold to single people was 5 to 2. 10. If 26 homes were sold to single people, how many were sold to families?

$$\frac{5}{26} = \frac{4}{26}$$
  $f = 65$