

1) Each of the base angles of an isosceles triangle has a measure that is 30 less than the measure of the vertex angle. Find the measure of each angle.

2) At noon a cargo plane leaves McHare Airport and heads east at 180 mi/h. Its destination is Jamesville, 500 mi away. At 1:00 P.M. a jet takes off from McHare and flies east after the cargo plane at 450 mi/h. At what time will the jet overtake the Cargo plane?

3) Melvin has \$12 more than Olivia. Together they have \$58. How much money does each person have?

4) A newspaper ad costs \$12.50 plus 30 cents for each word after the first twelve. Abby paid \$17 for her ad. How many words were in it?

- 5) The lengths of the sides of a quadrilateral are consecutive odd integers. The perimeter of the quadrilateral is 160 cm. Find the length of the longest side of the quadrilateral.
- 6) The school book store sold 8 more pencils than pens one day. The cost of a pencil is \$.05, and the cost of a pen is \$.20. If the day's sales of pens and pencils totaled \$8.90, how many pencils were sold?
- 7) A woman drove part of a 185 mi trip at 50 mi/h and the rest at 55 mi/h. Find the distance she traveled at 50 mi/h if her total driving time was 3 h and 30 min.
- 8) A collection of 30 coins worth \$5.50 consists of nickels, dimes and quarters. There are twice as many dimes as nickels. How many quarters are there?

HW: Finish Review Packet