

**Cumulative A & B Alternative Problems****A-28**

Kyle and Joe left the airport and drove in opposite directions. Kyle drove 10 mph faster than Joe. Each drove 2.5 hours. Their total distance apart was 275 miles. How fast was each of them driving?

**B-28**

Trains were traveling in opposite direction. One train traveled at 55 mph, while the other traveled 60mph. We do not know how long they were traveling, but when they arrived to their destinations, they were 402.5 miles apart. How far did each train travel?

**A-30**

\$65,000 was invested. One account had a rate of 9% interest, while the other had a rate of 11% interest. If \$6015 was earned in interest, how much was invested in each account?

**B-30**

\$13,000 was invested. One account had a rate of 12% interest, while the other had a rate of 8% interest. If \$1420 was earned in interest, how much was invested in each account?