1. Are the two sets below equal, equivalent, neither or both? Explain your answer.
V = {p, q, r, s}; W = {boy, dad, father, kid}
  2. Given U = {15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25}, A = {15, 17, 21, 23, 25}, and B = {16, 17, 18, 22, 25}. Find A′ ∩ B′.  *Show your work, finding A’, then B’ then find their intersection.*

*3. Given the following sets, select the statement below that is NOT true.*

1. B ⊂ A

2. A ⊂ C

3. B ⊆ A

4. C ⊆ A

5. C ⊆ B

4. Using correct mathematical notation and symbols, express the following in set builder notation: Z = {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12}

5. A car dealership interviewed every driver who came onto their lot on Tuesday. This produced the following results: there were 68 people who owned trucks and 121 people who owned cars. If 35 people owned both a truck and a car and 15 people owned neither, how many people were interviewed?