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TUGAS 8

1. Tentukan Power Set

a.
$$A = \{a\}$$

P(A) = {Ø, {a}}

- 2. Diketahui A = { 1, 2, 3, 4, 5 } dan B = { 0, 3, 6 }
 - a. A U B => { 0, 1, 2, 3, 4, 5, 6 }
 - b. A B => { 1, 2, 4, 5 }
 - c. $A \cap B$ => {3}
 - d. B A => $\{0, 6\}$

3. Tentukan kardinalitas

a.
$$N(P) = 0$$

e.
$$N(S) = 6$$

4. Jika $F = \{5,7\}$ dan $G = \{p,q,r,s\}$, tentukan $F \times G$!

$$F \times G = \{ (5, \rho), (5, q), (5, r), (5, s), (7, \rho), (7, q), (7, r), (7, s) \}$$

5. Jika F = $\{1,3,5,7,9,11,13\}$ dan G = $\{3,4,5,6\}$, tentukan F \oplus G!

$$F + G = (F - G) \cup (G - F)$$

= {1, 7, 9, 11, 13} \cup {4, 6}
= {1, 4, 6, 7, 9, 11, 13}

6. Jika A = {11,12,13,14,15,16} dan B = {11,13,15,17,19}, tentukan A - B dan B - A!