

Difference of Sets

A) 1) If $A = \{10, 20, 30, 40, 50, 60\}$ and $B = \{10, 20, 30, 40\}$, find $A - B$.

A - B = _____

2) If $P = \{n, a, v, y, k, l, e, a, r\}$ and $Q = \{t, l, u, s, e\}$, find $P - Q$.

P - Q = _____

3) If $S = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

S - _____ = _____

4) If $M = \{w, x, y, z, a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z\}$

N - _____ = _____

B) 1) Which of the following represents $X - Y$ if $X = \{15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100\}$ and $Y = \{15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100\}$?

a) $\{15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100\}$

2) Which of the following represents $V - W$ if $V = \{\text{cow, dog, cat}\}$ and $W = \{\text{cat}\}$?

a) $\{\text{cow}\}$

b) $\{\text{cat}\}$

c) $\{\text{dog, cat}\}$

d) $\{\text{cow, dog}\}$

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