

Difference of Sets

A) 1) If $K = \{4, -3, 2, 0, -5\}$, $L = \{-5, 2\}$, and $M = \{2, -3, 1\}$, find $(K \cup M) - L$.

$(K \cup M) - L =$

PREVIEW

2) If $R = \{\text{car, bus, train}\}$, $S = \{\text{train, van, bus, bike}\}$, and $T = \{\text{van, bus}\}$, find $T - (R \cap S)$.

$T -$

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3) If $A = \{1, 2, 3, 4, 5\}$, $B = \{2, 3, 4, 5, 6\}$, and $C = \{3, 4, 5, 6, 7\}$, find $A - (B \cap C)$.

$A - (B \cap C) =$

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B) 1) Which of the following represents $(A \cup B) \cap C$ if $A = \{s, t\}$, $B = \{t, u, v\}$, and $C = \{s, t, u, v, w, x, y, z\}$?

$G = \{s, t, u, v, w, x, y, z\}$

- a) $\{s, t, u, v, w, x, y, z\}$ b) $\{a, c, m\}$ c) $\{b, m\}$ d) $\{s, t, u, v, w, x, y, z\}$

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2) Which of the following represents $Z = (A \cup T) \cap B$ if $A = \{\text{inches, yards}\}$, $T = \{\text{inches, feet}\}$, and $B = \{\text{miles, inches}\}$?

- a) $\{\text{miles, yards}\}$ b) $\{\text{yards}\}$ c) $\{\text{inches}\}$ d) $\{\text{miles}\}$