

Name : _____

Topic: Math – Properties of Addition

Directions: Write the missing numbers then identify the property used in each item. Use the acronyms-

CPA – Commutative property of addition

APA – Associative property of addition

IPA – Identity property of addition

_____ a) $4\,826 + 38 = \underline{\hspace{2cm}} + 4\,826$

_____ b) $(9\,284 + 10\,568) + 12\,428 = 9\,284 + (\underline{\hspace{2cm}} + 12\,428)$

_____ c) $7\,431\,897 + 2\,468 = \underline{\hspace{2cm}} + 7\,431\,897$

_____ d) $31\,472\,845 + 0 = \underline{\hspace{2cm}}$

_____ e) $543 + (\underline{\hspace{2cm}} + 345) = (543 + 826) + 345$

_____ f) $10\,540 + (3\,654 + 4\,820) = (10\,540 + 3\,654) + \underline{\hspace{2cm}}$

_____ g) $1\,750 + 846 + 250 = 250 + \underline{\hspace{2cm}} + 846$

_____ h) $0 + \underline{\hspace{2cm}} = 2\,465\,382$

_____ i) $1\,457\,836 + 928\,473 = \underline{\hspace{2cm}} + 1\,457\,836$

_____ j) $650 + (2\,841 + 928 + 1750) = (650 + \underline{\hspace{2cm}} + 928) + 1750$

Directions: Complete the addition equation using the specified property of addition in each number.

(Associative Property) a) $(1\,462 + 3\,849) + 795 = \underline{\hspace{2cm}}$

(Commutative Property) b) $654\,382 + 28\,927 = \underline{\hspace{2cm}}$

(Identity Property) c) $0 + 4\,837\,265 = \underline{\hspace{2cm}}$

(Commutative Property) d) $2\,483\,927 + 15\,455\,680 = \underline{\hspace{2cm}}$

(Associative Property) e) $628\,940 + (142\,675 + 841\,339) = \underline{\hspace{2cm}}$