Regents Exam	Questions	A.N.1:	Identifying	Properties
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A.N.1: Identifying Properties: Identify and apply the properties of real numbers (closure, commutative, associative, distributive, identity, inverse)

- Which property is illustrated by the equation ax + ay = a(x + y)?
 - 1) associative
 - commutative
 - 3) distributive
 - 4) identity
- 2 The statement 2+0=2 is an example of the use of which property of real numbers?
 - 1) associative

 - additive identityadditive inverse
 - 4) distributive
- 3 Tori computes the value of 8.95 in her head by thinking $8(100-5) = 8 \times 100 8 \times 5$. Which number property is she using?
 - 1) associative
 - 2) distributive
 - commutative
 - 4) closure
- 4 Which property of real numbers is illustrated by the equation $-\sqrt{3} + \sqrt{3} = 0$?
 - 1) additive identity
 - commutative property of addition 2)
 - associative property of addition
 - 4) additive inverse
- 5 Which property of real numbers is illustrated by the equation 52 + (27 + 36) = (52 + 27) + 36?
 - 1) commutative property
 - 2) associative property
 - distributive property
 - 4) identity property of addition
- 6 The equation $*(\Delta + •) = *\Delta + *•$ is an example of the
 - 1) associative law
 - 2) commutative law
 - distributive law
 - transitive law
- 7 While solving the equation 4(x+2) = 28, Becca wrote 4x+8 = 28. Which property did she use?
 - 1) distributive
 - 2) associative
 - commutative
 - 4) identity
- 8 If M and A represent integers, M + A = A + M is an example of which property?
 - commutative
 associative

 - 3) distributive
 - 4) closure