MAT0028 ~ Lesson 7

Work the following examples as you listen to the recorded lecture.

Properties of Real Numbers

Properties	
 Commutative property of addition: 	x + 2 = 2 + x
2. Commutative property of multiplication	$x \cdot 2 = 2 \cdot x$
3. Associative property of addition:	2 + (7 + y) = (2 + 7) + y
4. Associative property of multiplication:	$2 \cdot (x \cdot y) = (2 \cdot x) \cdot y$
5. Distributive property of multiplication:	$3(y+6) = 3 \cdot y + 3 \cdot 6$

Example 1: (r+3)+11 Example 2: 2(42x)

Example 3: $\frac{1}{8}(8z)$ Example 4: 7(a+b)

Example 5: 5(7 + 8y) Example 6: $\frac{1}{2}(6x + 8)$

Example 7: 3(2r + 5) - 7 Example 8: -4(4x + 5) - 5

Example 9: 9a + 9b